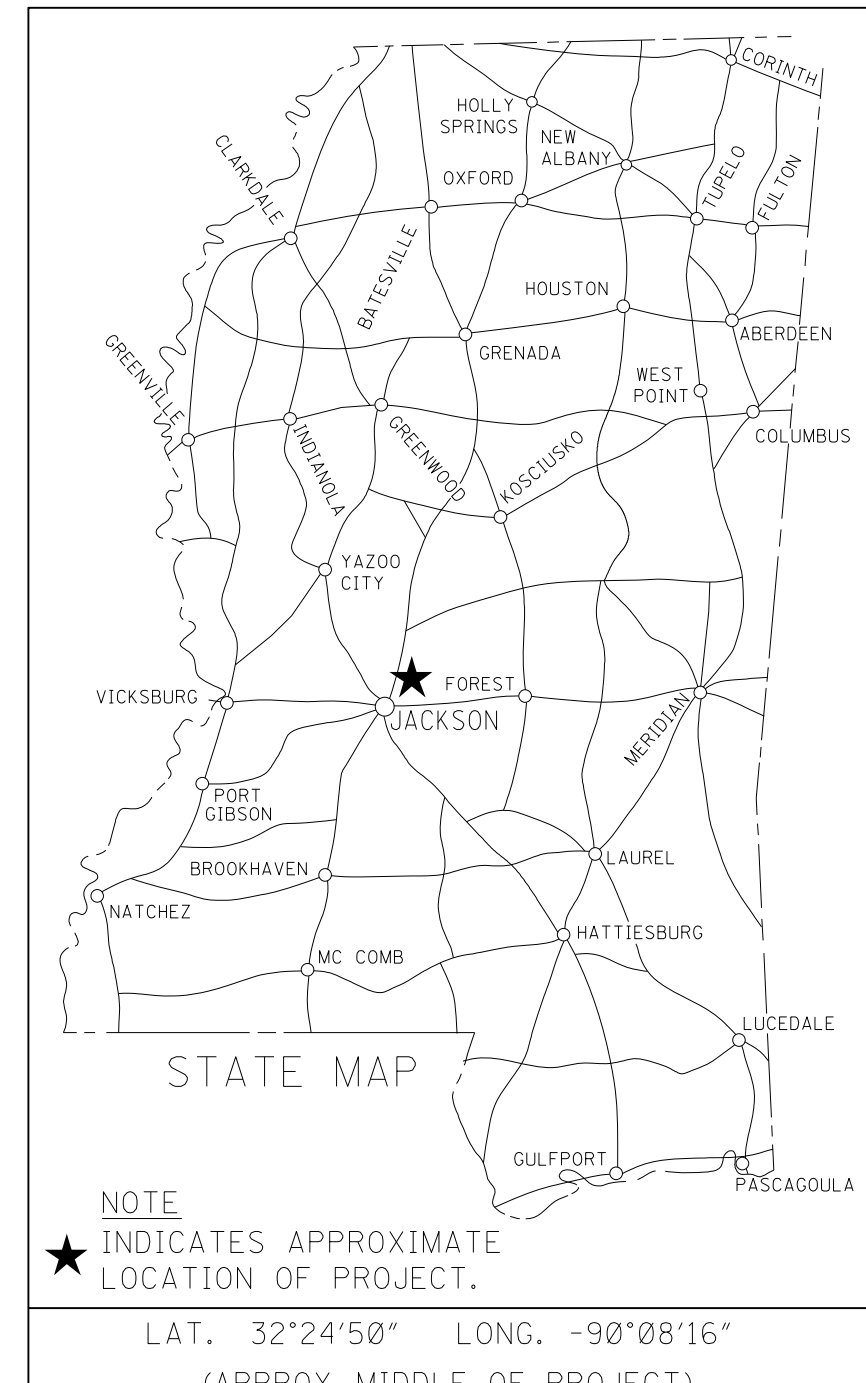


SURFACE TRANSPORTATION PROGRAM

FEDERAL AID PROJECT NO.: STP 8323-00-(003) / 104840-701000

LAKE HARBOUR DRIVE WIDENING CITY OF RIDGELAND, MISSISSIPPI

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	STP 8323-00-(003) / 104840-701000	1

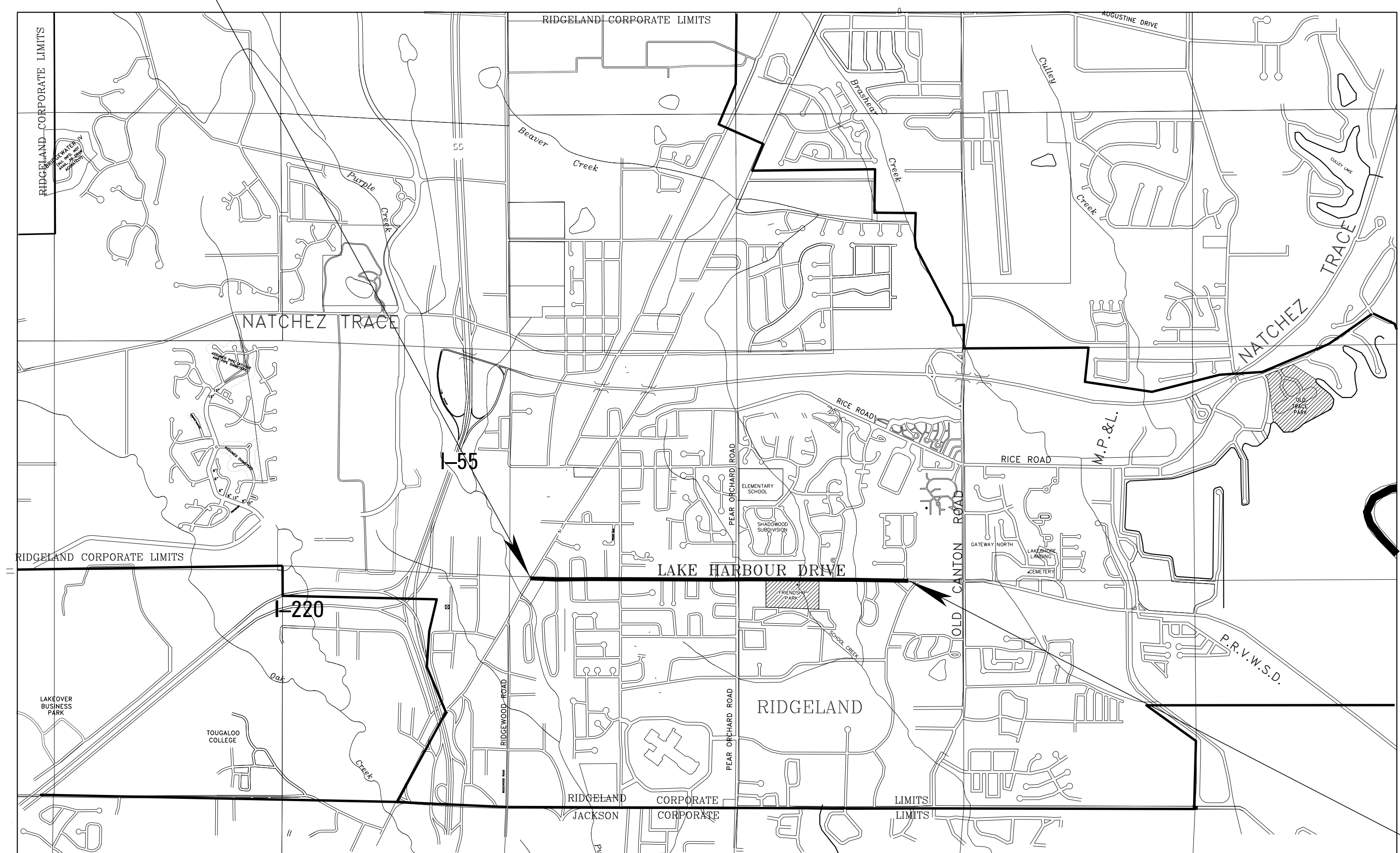


LAKE HARBOUR DRIVE
BETWEEN U.S. HIGHWAY 51
& NORTHPARK DRIVE

SCALES

PLAN	1 IN. = 20 FT.
PROFILE {	HOR. 1 IN. = 20 FT.
	VERT. 1 IN. = 5 FT.
LAYOUT	1 IN. = 2000 FT.

B.O.P. STATION
9 + 86.84



LENGTH DATA

LENGTH OF ROADWAY	8,420.27 FT.	1.595 MI.
LENGTH OF BRIDGES	0 FT.	0 MI.
LENGTH OF PROJECT (NET)	8,420.27 FT.	1.595 MI.
LENGTH OF EXCEPTIONS	0 FT.	0 MI.
LENGTH OF PROJECT (GROSS)	8,420.27 FT.	1.595 MI.

Mayor:
Gene F. McGee

City Attorney:
Jerry Mills

Alderman:
Ken Heard
Chuck Gautier
Kevin Holder
Brian Ramsey
Scott Jones
Wesley Hamlin
D.I. Smith

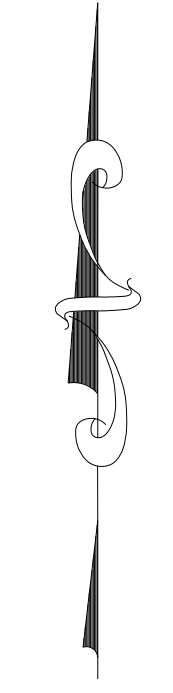
Public Works Director:
Mike McCollum

Asst. Public Works Director:
Ben Mays

City Engineer:
David E. Williams, P.E.

CONVENTIONAL SYMBOLS

- COUNTY LINE
- TOWN CORPORATION LINE
- SECTION LINE
- EXISTING ROAD OR TRAVELED WAY
- PROPOSED ROAD OR TRAVELED WAY
- RAILROAD
- SURVEY LINE
- BRIDGES



DESIGN CONTROL

45 MPH = V (SPEED DESIGN)

ADT (2011) = 13,500 ; ADT (2031) = 32,000
DHV = 3,500 ; D = 50 % T = 5 %

PERMITS ACQUIRED BY CITY OF RIDGELAND

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	Y	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	N	N
INDIVIDUAL (404)*	N	N

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT Y

Y REQUIRED, CNOI SUBMITTED BY LPA (DISTRIBUTED AREA = 5 ACRES +)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: 8-01-2011

E.O.P. STATION
94 + 07.11

AS BUILT

DATE	REVISIONS	BY

APPROVED: _____

PROJECT ENGINEER _____ DATE _____

APPROVED: _____

MAYOR CITY OF RIDGELAND _____ DATE _____

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT					TOTALS	
			PRELIM.	FINAL	PRELIM.	FINAL	PRELIM.	FINAL
***** EARTHWORK ITEMS *****								
201-A001	CLEARING AND GRUBBING	LUMP SUM	100%	100%				
201-B001	CLEARING AND GRUBBING	ACRE	3	1,470				
202-B005	REMOVAL OF ASPHALT PAVEMENT, ALL DEPTHS	SQ.YD.	30,008	29,809				
202-B030	REMOVAL OF CONCRETE PAVEMENT, ALL DEPTHS	SQ.YD.	2,650	2,914				
202-B036	REMOVAL OF CONCRETE SLOPE PAVING	SQ.YD.	53	71				
202-B042	REMOVAL OF FLARED END SECTION, ALL SIZES	EACH	12	7				
202-B076	REMOVAL OF TRAFFIC STRIPE	LIN.FT.	36,960	14,856				
202-B079	REMOVAL OF HEADWALL	EACH	5	5				
202-B093	REMOVAL OF CURB & GUTTER, ALL TYPES	LIN.FT.	11,145	10,823				
202-B106	REMOVAL OF PIPE, ALL SIZES	LIN.FT.	10,167	8,399				
202-B138	REMOVAL OF RIP RAP	SQ.YD.	475	267				
202-B170	REMOVAL OF JUNCTION BOXES, MANHOLES, AND INLETS, ALL SIZES	EACH	47	59				
203-A003	UNCLASSIFIED EXCAVATION, FM, AH	CU.YD.	6,550	2,614				
203-EX029	BORROW EXCAVATION, AH, FME, CLASS B-15	CU.YD.	64,872	82,113				
203-G003	EXCESS EXCAVATION, FM, AH	CU.YD.	74,101	99,908				
206-A001	STRUCTURE EXCAVATION	CU.YD.	100	339.6				
206-B001	SELECT MATERIAL FOR UNDERCUTS, CONTRACTOR FURNISHED, FM	CU.YD.	59	124.5				
***** ROADSIDE DEVELOPMENT ITEMS *****								
213-B001	COMBINATION FERTILIZER, 13-13-13	TON	5	0				
213-C001	SUPERPHOSPHATE	TON	5	0				
216-A001	SOLID SODDING	SQ.YD.	21,200	25,071				
219-A001	WATERING	KGAL	425	54.3				
220-A001	INSECT PEST CONTROL	ACRE	10	0				
223-A001	MOWING	ACRE	10	7.75				
907-225-A001	GRASSING	ACRE	10	2.70				
907-225-B001	AGRICULTURAL LIMESTONE	TON	4	8.40				
907-225-C001	MULCH, VEGETATIVE MULCH	TON	5	5.91				
907-226-A001	TEMPORARY GRASSING	ACRE	10	7.52				
907-230-A025	SHRUB PLANTING, BIG BLUE LIRIOPE	EACH	3,850	4,800				
907-230-A029	SHRUB PLANTING, DWARF JUNIPER	EACH	450	450				
907-230-A118	SHRUB PLANTING, INDIAN HAWTHORNE	EACH	248	250				
907-230-A125	SHRUB PLANTING, BURFORD HOLLY	EACH	6	6				
907-230-B001	TREE PLANTING, AMERICAN HOLLY	EACH	2	6				
907-230-B010	TREE PLANTING, SHUMARD OAK	EACH	20	25				
907-230-B027	TREE PLANTING, PIN OAK	EACH	20	0				
907-230-B068	TREE PLANTING, GREEN ASH	EACH	20	20				
907-230-B	TREE PLANTING, CREPE MYRTLE 'PINK'	EACH	10	12				
907-230-D001	BED PREPARATION	SQ.FT.	15,650	14,949				
234-A001	TEMPORARY SILT FENCE	LIN.FT.	17,400	9,239				
907-237-A002	WATTLES, 12"	LIN. FT.	2,000	0				
907-237-A003	WATTLES, 20"	LIN. FT.	800	4,880				
239-A001	TEMPORARY SLOPE DRAINS	LIN. FT.	250	0				
907-246-A002	SANDBAGS	EACH	1000	0				
907-246-B002	ROCKBAGS	EACH	800	1,008				
907-247-A001	TEMPORARY STREAM DIVERSION	EACH	2	0				
907-249-A001	RIPRAP FOR EROSION CONTROL	TON	500	146.70				
907-249-B001	REMOVE AND RESET RIPRAP	CU.YD.	50	42				
907-258-PP016	BOLLARD	EACH	176	76				
***** BASE ITEMS *****								
907-304-A001	GRANULAR MATERIAL, LVM, CLASS 5, GROUP C	CU.YD.	1,200	382				
907-304-F002	SIZE 610 CRUSHED STONE BASE	TON	3,000	4,734				

- ① TO INCLUDE ABANDONED GAS LINE
- ② TO INCLUDE HEADWALLS, WINGWALLS, AND APRONS
- ③ TO INCLUDE HEADWALLS AND WINGWALLS
*INCLUDES APPROXIMATELY 3850 L.F. RCP
**INCLUDES APPROXIMATELY 6,317 L.F. DUCTILE IRON
- ④ APPLIES TO BOX CULVERTS AT STATION 73+00 AND 85+50, ALL OTHER STRUCTURAL EX. SHALL BE ABSORBED UNDER NTB# 3781

DATE	REVISION	BY

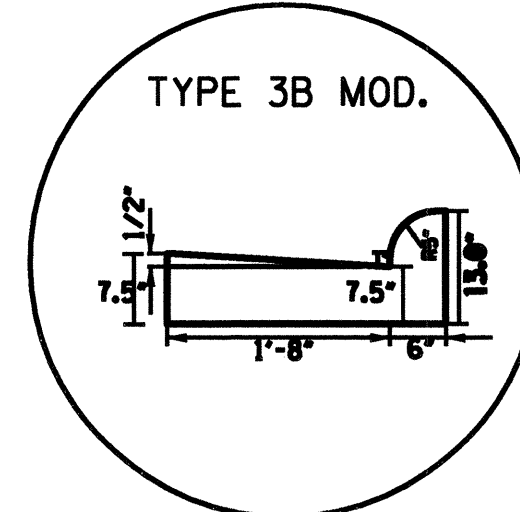
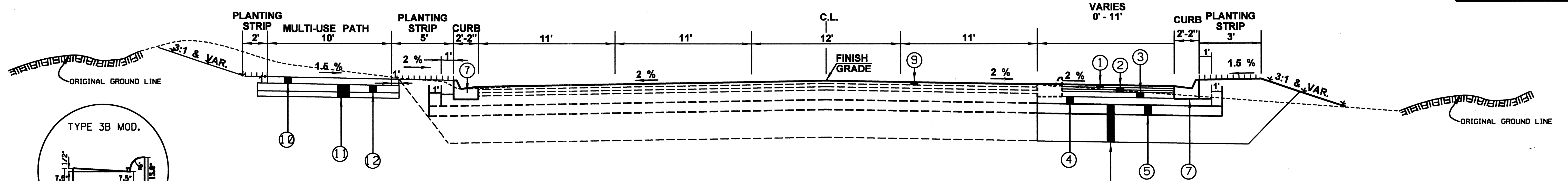
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 LAKE HARBOUR DR. WIDENING

PROJECT NO.: STP-8323-00-(003)
 104840-701000

COUNTY: MADISON

WORKING NUMBER: SQS-1
 SHEET NUMBER: 8

FILENAME: SQS.DGN
 DESIGN TEAM: WEJ CHECKED: DATE:

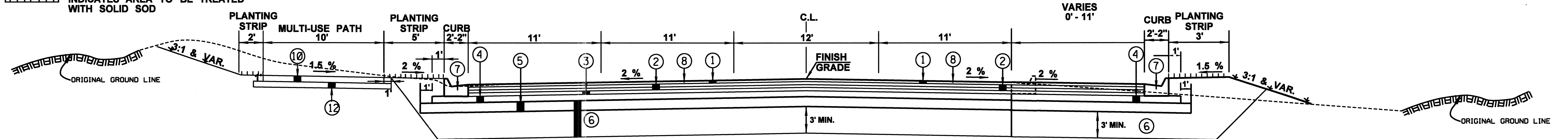


**TYPICAL SECTION LAKE HARBOUR DRIVE
B.O.P. STA. 9+86.84 - 12+50.00**

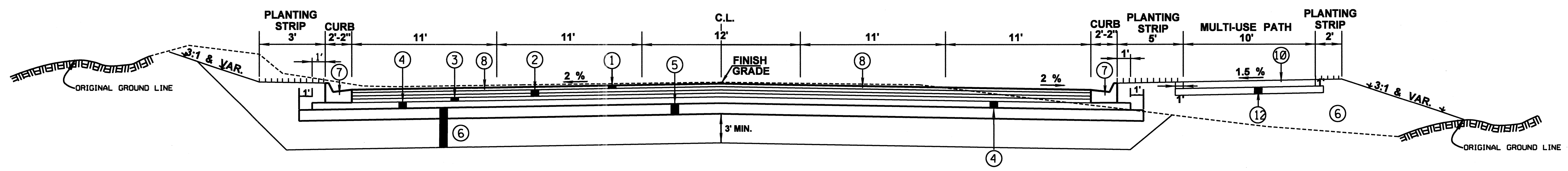
- ① 1.5" HMA OR WMA,MT (9.5mm MIXTURE)(1 LIFT @ 1.5")
- ② 3" HMA OR WMA,MT (12.5 mm MIXTURE)(2 LIFTS @ 1.5")
- ③ 3" HMA OR WMA,MT (19 mm MIXTURE)(1 LIFT @ 3")
- ④ 2.5" HMA OR WMA, ST (19mm MIXTURE)(1 LIFT @ 2.5")
- ⑤ 8" LIME TREATED SUBGRADE (6% HYDRATED LIME BY DRY WEIGHT OF SOIL)

- ⑥ 3' MIN. UNDERCUT REQ'D.BORROW EXCAVATION, CLASS B-15
- ⑦ COMBINATION CONCRETE CURB AND GUTTER (TYPE 3-B MODIFIED)
- ⑧ EXISTING ASPHALT PAVEMENT TO BE REMOVED (VARIABLE DEPTH)
- ⑨ MILL EXISTING ROADWAY A DEPTH OF 1.5" AND OVERLAY WITH 1.5" HMA OR WMA,MT (9.5mm MIXTURE)
- ⑩ 4" HMA OR WMA,ST (9.5mm MIXTURE)(1 LIFT @ 4")
- ⑪ 1' MIN. UNDERCUT REQ'D.BORROW EXCAVATION, CLASS B-15
- ⑫ 8" LIME TREATED SUBGRADE (6% HYDRATED LIME BY DRY WEIGHT OF SOIL)

INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1
 INDICATES AREA TO BE TREATED WITH SOLID SOD



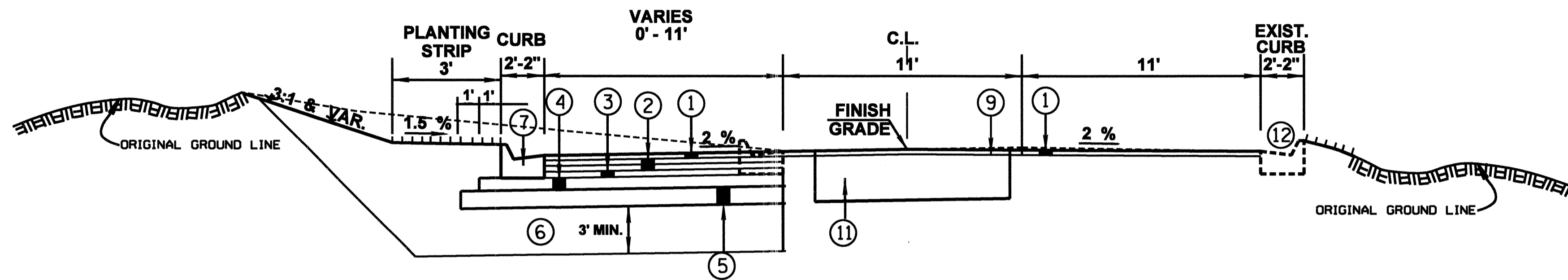
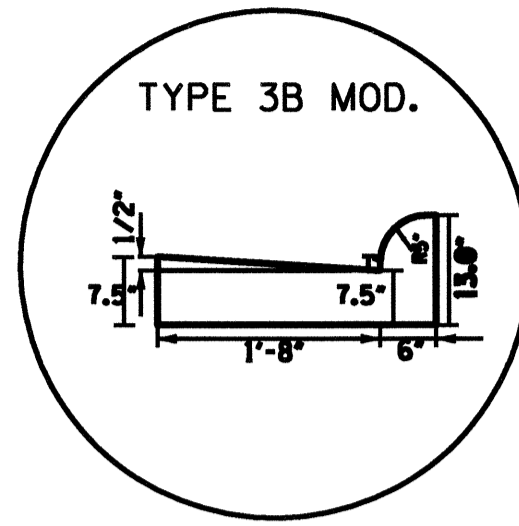
**TYPICAL SECTION LAKE HARBOUR DRIVE
STA. 12+50.00 - 57+69.74**



**TYPICAL SECTION LAKE HARBOUR DRIVE
STA. 57+69.74 - 94+07.11 (E.O.P.)**

BY		PROPOSED TYPICAL SECTION	
		MAINLINE	
REVISION		LAKE HARBOUR DRIVE WIDENING	
		PROJECT NO.: STP-8323-00-(003)/	
DATE		104840-701000	
		CITY OF RIDGELAND, MISSISSIPPI	
DRAWN BY:		WAGGONER ENGINEERING, INC.	
		Consulting Engineers - Jackson, Mississippi	
REVIEWED BY:		WORKING NUMBER	TS-1
		SHEET NUMBER	5
SCALE		N.T.S.	

PLAN C.D.S. SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION



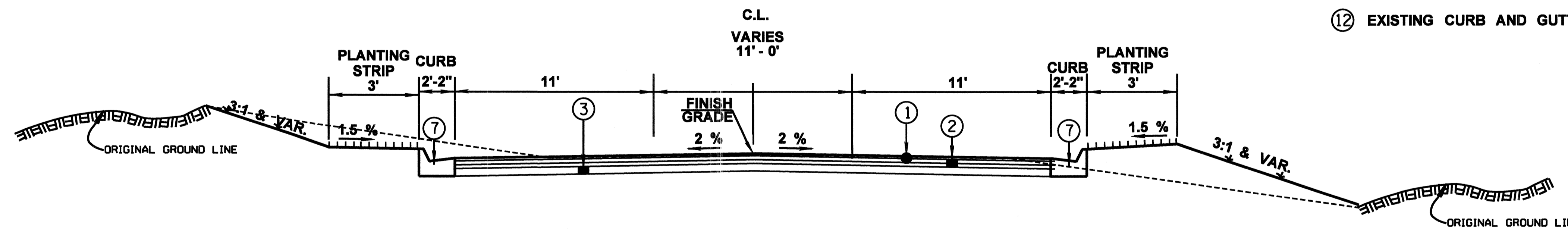
TYPICAL SECTION WHEATLEY STREET
STA. 8+68.68 - 13+26.00

- ① 1.5" HMA OR WMA,MT (9.5mm MIXTURE)(1 LIFT @ 1.5")
- ② 3" HMA OR WMA,MT (12.5 mm MIXTURE)(2 LIFTS @ 1.5")
- ③ 3" HMA OR WMA,MT (19 mm MIXTURE)(1 LIFT @ 3")
- ④ 2.5" HMA OR WMA,ST (19mm MIXTURE)(1 LIFT @ 2.5")
- ⑤ 8" LIME TREATED SUBGRADE (6% HYDRATED LIME BY DRY WEIGHT OF SOIL)

INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1

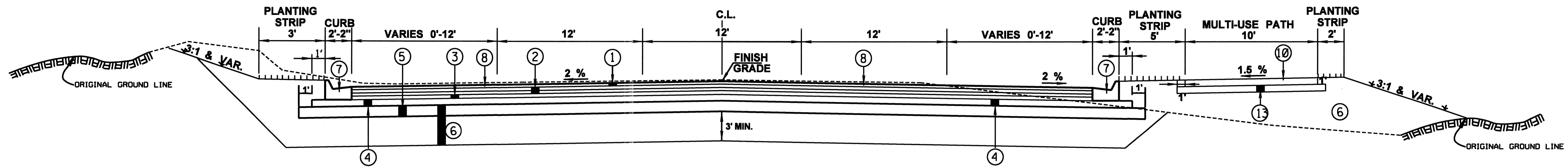
INDICATES AREA TO BE TREATED WITH SOLID SOD

- ⑥ 3' MIN. UNDERCUT REQ'D. BORROW EXCAVATION, CLASS B-15
- ⑦ COMBINATION CONCRETE CURB AND GUTTER (TYPE 3-B MODIFIED)
- ⑧ EXISTING ASPHALT PAVEMENT TO BE REMOVED (VARIABLE DEPTH)
- ⑨ MILL EXISTING ROADWAY A DEPTH OF 1.5" AND OVERLAY WITH 1.5" HMA OR WMA,MT (9.5mm MIXTURE)
- ⑩ 4" HMA OR WMA,ST (9.5mm MIXTURE)(2 LIFTS @ 2")
- ⑪ EXCAVATE BASE FAILURES TO 12" MAX. DEPTH AND REPAIR WITH HMA OR WMA,MT(19mm MIXTURE) FINISH FLUSH WITH THE SURROUNDING SURFACE. (AS DIRECTED BY THE ENGINEER)
- ⑫ EXISTING CURB AND GUTTER TO REMAIN (RIGHT SIDE ONLY)



TYPICAL SECTION WHEATLEY STREET
STA. 13+86.00 - 15+50.00

BY		PROPOSED TYPICAL SECTION	
REVISION		WHEATLEY STREET	
DATE		LAKE HARBOUR DRIVE WIDENING	
DRAWN BY:		PROJECT NO.: STP-8323-00-(003)/	
REVIEWED BY:		104840-701000	
DATE		CITY OF RIDGELAND, MISSISSIPPI	
SCALE		WAGGONER ENGINEERING, INC.	
N.T.S.		Consulting Engineers - Jackson, Mississippi	
		WORKING NUMBER	
		TS-2	
		SHEET NUMBER	
		6	



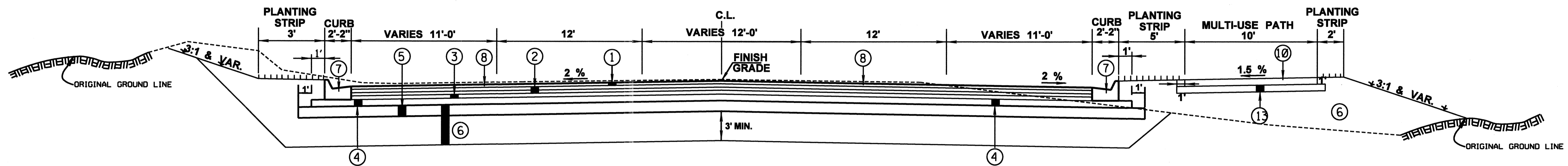
TYPICAL SECTION PEAR ORCHARD
STA. 12+53.82 - 15+25

- ① 1.5" HMA OR WMA,MT (9.5mm MIXTURE)(1 LIFT @ 1.5")
- ② 3" HMA OR WMA,MT (12.5 mm MIXTURE)(2 LIFTS @ 1.5")
- ③ 3" HMA OR WMA,MT (19 mm MIXTURE)(1 LIFT @ 3")
- ④ 2.5" HMA OR WMA,ST (19mm MIXTURE)(1 LIFT @ 2.5")
- ⑤ 8" LIME TREATED SUBGRADE (6% HYDRATED LIME BY DRY WEIGHT OF SOIL)

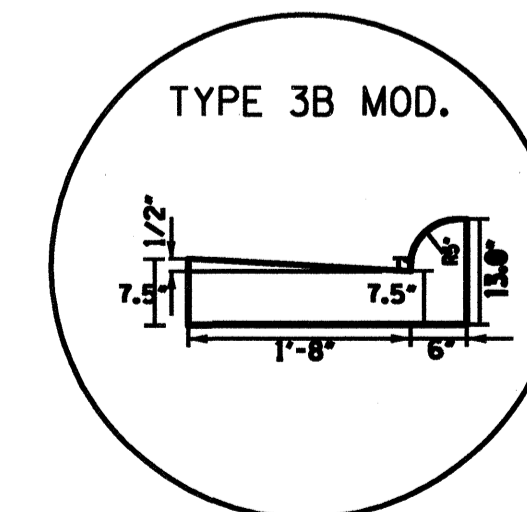
INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1

INDICATES AREA TO BE TREATED WITH SOLID SOD

- ⑥ 3' MIN. UNDERCUT REQ'D. BORROW EXCAVATION, CLASS B-15
- ⑦ COMBINATION CONCRETE CURB AND GUTTER (TYPE 3-B MODIFIED)
- ⑧ EXISTING ASPHALT PAVEMENT TO BE REMOVED (VARIABLE DEPTH)
- ⑨ MILL EXISTING ROADWAY A DEPTH OF 1.5" AND OVERLAY WITH 1.5" HMA OR WMA,MT (9.5mm MIXTURE)
- ⑩ 4" HMA OR WMA,ST (9.5mm MIXTURE)(1 LIFT @ 1")
- ⑪ EXCAVATE BASE FAILURES TO 12" MAX. DEPTH AND REPAIR WITH HMA OR WMA,MT(19mm MIXTURE) FINISH FLUSH WITH THE SURROUNDING SURFACE. (AS DIRECTED BY THE ENGINEER)
- ⑫ EXISTING CURB AND GUTTER TO REMAIN (RIGHT SIDE ONLY)
- ⑬ 8" LIME TREATED SUBGRADE (6% HYDRATED LIME BY DRY WEIGHT OF SOIL)



TYPICAL SECTION PEAR ORCHARD
STA. 15+85 - 18+58.29



BY		PROPOSED TYPICAL SECTION	
REVISION		PEAR ORCHARD ROAD	
DATE		LAKE HARBOUR DRIVE WIDENING	
DRAWN BY:		PROJECT NO.: STP-8323-00-(003)/	
REVIEWED BY:		104840-701000	
		CITY OF RIDGELAND, MISSISSIPPI	
		WAGGONER ENGINEERING, INC.	
		Consulting Engineers - Jackson, Mississippi	
		WORKING NUMBER	TS-3
		DATE	
		SCALE	N.T.S.
		SHEET NUMBER	7

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT					TOTALS	
			PRELIM.	FINAL	PRELIM.	FINAL	PRELIM.	FINAL
	***** BASE ITEMS *****							
907-307-C005	8" SOIL-LIME-WATER MIXING, CLASS C	SQ.YD.	70,800	65,195				
907-307-D001	LIME	TON	1,590	833.40				
907-307-S001	BITUMINOUS CURING SEAL	GAL	12,390	8,600				
	***** BITUMINOUS PAVING ITEMS *****							
	(ALTERNATE ASPHALT ITEMS)							
907-403-A006	HOT MIX ASPHALT, MT, 12.5-MM MIXTURE	TON	9,496	10,194.70				
907-403-A007	HOT MIX ASPHALT, MT, 19-MM MIXTURE	TON	9,496	7,347.71				
907-403-A010	HOT MIX ASPHALT, MT, 9.5-MM MIXTURE	TON	5,192	6,086.28				
907-403-A012	HOT MIX ASPHALT, ST, 19-MM MIXTURE	TON	8,300	7,364.09				
907-403-A015	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE	TON	2,200	1,768.58				
	OR							
907-403-M001	WARM MIX ASPHALT, ST, 9.5-MM MIXTURE	TON	2,200					
907-403-M002	WARM MIX ASPHALT, MT, 12.5-MM MIXTURE	TON	9,496					
907-403-M004	WARM MIX ASPHALT, ST, 19-MM MIXTURE	TON	8,300					
907-403-M006	WARM MIX ASPHALT, MT, 9.5-MM MIXTURE	TON	5,192					
907-403-M007	WARM MIX ASPHALT, MT, 19-MM MIXTURE	TON	9,496					
406-A001	COLD MILLING OF BITUMINOUS PAVEMENT, ALL DEPTHS	SQ.YD.	7,000	13,056				
907-407-A001	ASPHALT FOR TACK COAT	GAL	19,760	13,011				
	***** CONCRETE ITEMS *****							
503-C007	SAW CUT, FULL DEPTH	LIN.FT.	522	851				
907-601-A001	CLASS "B" STRUCTURAL CONCRETE	CU.YD.	83	94.11				
907-601-B003	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	CU.YD.	318	410.48				
602-A001	REINFORCING STEEL	LBS	36,957	52,130				
	***** DRAINAGE ITEMS *****							
603-CA002	18" REINFORCED CONCRETE PIPE, CLASS III	LIN.FT.	7,552	7,688				
603-CA003	24" REINFORCED CONCRETE PIPE, CLASS III	LIN.FT.	1,958	1,832				
603-CA004	30" REINFORCED CONCRETE PIPE, CLASS III	LIN.FT.	1,256	1,308				
603-CA005	36" REINFORCED CONCRETE PIPE, CLASS III	LIN.FT.	100	80				
603-CB003	30" REINFORCED CONCRETE END SECTION	EACH	2	2				
603-CE001	22"x13" CONCRETE ARCH PIPE, CLASS AIII	LIN.FT.	288	260				
603-CE004	44"x27" CONCRETE ARCH PIPE, CLASS AIII	LIN.FT.	16	4				
603-CF004	44"x27" CONCRETE ARCH PIPE END SECTION	EACH	2	1				
603-PA003	10'x4' PRECAST CONCRETE BOX CULVERT	LIN.FT.	91	92				
603-PB003	10'x4' PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2	2				
603-SB003	18" BRANCH CONNECTIONS, STUB INTO CONCRETE BOX CULVERT	EACH	2	6				
603-SB004	24" BRANCH CONNECTIONS, STUB INTO BOX CULVERT	EACH	1	1				
604-A001	CASTINGS	LBS	7,663	8,938				
604-B001	GRATINGS	LBS	2,750	727				
	***** INCIDENTAL CONSTRUCTION ITEMS *****							
608-B001	CONCRETE SIDEWALK, WITH REINFORCEMENT	SQ.YD.	750	194.2				
907-608-D002	STAMPED AND COLORED SIDEWALK, PER PLANS	SQ.YD.	170	636				
609-D005	COMBINATION CONCRETE CURB AND GUTTER, TYPE 3B, MODIFIED	LIN.FT.	17,923	16,174				
907-611-PP003	DETECTABLE WARNINGS, PER PLANS	SQ.FT.	1,562	574				
613-A001	ADJUSTMENT OF CASTING, GRATINGS, AND UTILITY APPURTENANCES	LUMP SUM	100%	100%				
614-B001	CONCRETE DRIVEWAY, WITH REINFORCEMENT	SQ.YD.	1,524	2,693.40				
618-A001	MAINTENANCE OF TRAFFIC	LUMP SUM	100%	100%				

- ⑤ TO INCLUDE 213 TONS FOR DRIVEWAYS
- ⑥ TO INCLUDE 213 TONS FOR DRIVEWAYS
- ⑦ TO BE USED ON MULTI-USE PATH

- ⑦ TO BE USED ON MULTI-USE PATH
- ⑤ TO INCLUDE 213 TONS FOR DRIVEWAYS
- ⑥ TO INCLUDE 213 TONS FOR DRIVEWAYS

DATE	REVISION	BY
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES LAKE HARBOUR DR. WIDENING		
PROJECT NO.: STP-8323-00-(003) 104840-701000		
COUNTY: MADISON		WORKING NUMBER SQS-2
FILENAME: SQS.DGN		SHEET NUMBER 9
DESIGN TEAM	WEJ	CHECKED DATE

7/2/2015 15:32:48 SQS.LHD.DGN ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT					TOTALS	
			PRELIM.	FINAL	PRELIM.	FINAL	PRELIM.	FINAL
	***** TRAFFIC CONTROL ITEMS *****							
619-A1001	TEMPORARY TRAFFIC STRIPE, CONTINUOUS WHITE	LIN.FT.	44,000	16,832				
619-A2001	TEMPORARY TRAFFIC STRIPE, CONTINUOUS YELLOW	LIN.FT.	30,000	75,082				
619-A3001	TEMPORARY TRAFFIC STRIPE, SKIP WHITE	LIN.FT.	18,480	15,502				
619-A4001	TEMPORARY TRAFFIC STRIPE, SKIP YELLOW	LIN.FT.	13,200	12,224				
619-A5001	TEMPORARY TRAFFIC STRIPE, DETAIL	LIN.FT.	1,550	2,965				
619-A6001	TEMPORARY TRAFFIC STRIPE, LEGEND	LIN.FT.	1,325	5,344				
619-A6002	TEMPORARY TRAFFIC STRIPE, LEGEND	SQ.FT.	1,100	399.2				
619-D1001	STANDARD ROADSIDE CONSTRUCTION SIGNS, LESS THAN 10 SQ.FT.	SQ.FT.	479	356.80				
619-D2001	STANDARD ROADSIDE CONSTRUCTION SIGNS, 10 SQ.FT. OR MORE	SQ.FT.	208	941				
619-D3001	REMOVE AND RESET SIGNS, ALL SIZES	EACH	40	19				
619-E1001	FLASHING ARROW PANEL, TYPE C	EACH	2	1				
907-619-E3001	CHANGEABLE MESSAGE SIGN	EACH	2	0				
619-F1002	PORTABLE MEDIAN BARRIER	LIN.FT.	8,630	7,936.5				
619-F2002	REMOVE AND RESET PORTABLE MEDIAN BARRIER	LIN.FT.	8,630	6,998.5				
619-G4005	BARRICADES, TYPE III, DOUBLE FACED	LIN.FT.	430	480				
619-G5001	FREE STANDING PLASTIC DRUMS	EACH	275	288				
620-A001	MOBILIZATION	LUMP SUM	100%	100%				
	***** PAVEMENT MARKING ITEMS *****							
907-626-A004	6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	LIN.FT.	18,409	16,152				
907-626-C008	6" THERMOPLASTIC EDGE STRIPE, CONTINUOUS WHITE	LIN.FT.	17,440	21,458				
907-626-D004	6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	LIN. FT.	10,660	12,560				
907-626-F008	6" THERMOPLASTIC EDGE STRIPE, CONTINUOUS YELLOW	LIN.FT.	18,409	20,112				
907-626-G004	THERMOPLASTIC DETAIL STRIPE, WHITE	LIN.FT.	5,748	8,225				
907-626-G005	THERMOPLASTIC DETAIL STRIPE, YELLOW	LIN.FT.	480	454				
907-626-H004	THERMOPLASTIC LEGEND, WHITE	LIN.FT.	2,585	3,667				
907-626-H005	THERMOPLASTIC LEGEND, WHITE	SQ.FT.	1,695	2041.8				
627-K001	RED-CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EACH	480	574				
627-L001	2 WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EACH	1,236	1,195				
	***** TRAFFIC SIGNS AND DELINEATORS *****							
630-A001	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS	SQ.FT.	570	405.4				
630-C003	STEEL U-SECTION POSTS, 3.0 LB/LF	LIN.FT.	970	898				
635-A001	VEHICLE LOOP ASSEMBLIES	LIN. FT.	8,334	9,232				
636-A003	SHIELDED CABLE, 4 CONDUCTOR	LIN. FT.	5,300	7,223				
638-A005	LOOP DETECTOR AMPLIFIER, CARD RACK MOUNTED, 4 CHANNEL	EACH	12	13				
907-639-A010	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE IV, 30' SHAFT, 35' ARM	EACH	1	1				
907-639-A015	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE IV, 30' SHAFT, 50' ARM	EACH	5	5				
907-639-A016	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE IV, 30' SHAFT, 55' ARM	EACH	3	3				
907-639-A021	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE IV, 30' SHAFT, 40' ARM	EACH	2	2				
907-639-A029	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE IV, 30' SHAFT, 45' ARM	EACH	1	1				
907-639-A030	TRAFFIC SIGNAL EQUIPMENT POLE, TYPE IV, 30' SHAFT, 65' ARM	EACH	1	1				
907-639-C002	POLE FOUNDATIONS, 36" DIAMETER	CU. YD.	68	51.09				
640-A016	TRAFFIC SIGNAL HEADS, TYPE 1 LED	EACH	21	36				
640-A017	TRAFFIC SIGNAL HEADS, TYPE 2 LED	EACH	4	4				
640-A018	TRAFFIC SIGNAL HEADS, TYPE 3 LED	EACH	2	2				
640-A022	TRAFFIC SIGNAL HEADS, TYPE 7 LED	EACH	8	9				
640-A034	TRAFFIC SIGNAL HEADS, TYPE 6 LED COUNTDOWN	EACH	20	20				
642-A008	SOLID STATE TRAFFIC ACTUATED CONTROLLERS, TYPE 8A	EACH	3	3				
644-A001	OPTICAL DETECTOR	EACH	13	13				
644-B001	OPTICAL DETECTOR CABLE	LIN. FT.	1562	2,226				

DATE	REVISION			BY
MISSISSIPPI DEPARTMENT OF TRANSPORTATION				
SUMMARY OF QUANTITIES				
LAKE HARBOUR DR. WIDENING				
PROJECT NO.: STP-8323-00-(003)/				
104840-701000				
COUNTY: MADISON			WORKING NUMBER	
			SQS-3	
FILENAME: SQS.DGN		SHEET NUMBER		
DESIGN TEAM	WEJ	CHECKED	DATE	10

7/2/2015 15:33:38 SQS1.HD.DGN ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT					TOTALS	
			PRELIM.	FINAL	PRELIM.	FINAL	PRELIM.	FINAL
	***** TRAFFIC SIGNAL ITEMS *****							
644-C002	PHASE SELECTOR, 4 CHANNEL	EACH	3	3				
647-A001	PULL BOX, TYPE 1	EACH	8	8				
647-A003	PULL BOX, TYPE 4	EACH	15	15				
647-A005	PULL BOX, TYPE 2	EACH	13	17				
907-650-A003	ON STREET VIDEO EQUIPMENT, PTZ TYPE	EACH	5	5				
653-A001	TRAFFIC SIGN, ENCAPSULATED LENS	SQ. FT.	100	67.50				
653-B001	STREET NAME SIGN, ENCAPSULATED LENS	SQ. FT.	360	0				
907-654-A001	BATTERY BACK-UP SYSTEM	EACH	5	5				
907-657-A001	FIBER OPTIC CABLE, 72 SM	LIN. FT.	8,630	8,951				
907-657-B001	FIBER OPTIC VIDEO DROP CABLE, 12SM	LIN. FT.	200	145				
666-B016	ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 14, 7 CONDUCTOR	LIN. FT.	1,196	2,431				
666-B020	ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 6, 1 CONDUCTOR	LIN. FT.	1562	328				
668-A009	TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 1, 3"	LIN. FT.	30	28				
668-A018	TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 2"	LIN. FT.	9,850	8,854				
668-B006	TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OF JACKED, TYPE 1, 2"	LIN. FT.	3,185	2,532				
668-B008	TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OF JACKED, TYPE 1, 3"	LIN. FT.	245	330				
	***** INCIDENTAL ITEMS *****							
907-699-A002	ROADWAY CONSTRUCTION STAKES	LUMP SUM	100%	100%				
815-A008	LOOSE RIPRAP, 200#	TON	700	290.24				
815-D001	CONCRETE SLOPE PAVING	CU. YD.	20	15.15				
815-E001	GEOTEXTILE UNDER RIPRAP	SQ. YD.	2,900.0	1,160				
815-F002	SEDIMENT CONTROL STONE	TON	500	161.87				
	*****WATER AND SEWER ITEMS*****							
907-263-A	12 DIAMETER PVC SS	LIN. FT.	300	48				
907-265-A	12" DIAMETER PVC C-900	LIN. FT.	4,900	5,941				
907-265-A002	8" DIAMETER PVC C-900	LIN. FT.	450	436				
907-265-C002	DUCTILE IRON FITTINGS	LBS	21,000	15,199				
907-265-F	FIRE HYDRANTS WITH GATE VALVE AND BOX	EACH	14	13				
907-265-F	6" C900 PVC FIRE HYDRANT LEGS	LIN. FT.	140	26				
907-265-J	12" x 12" TAPPING SLEEVE AND VALVE WITH BOX	EACH	12	9				
907-265-L	3/4" HDPE SERVICE LINE	LIN. FT.	1,300	788				
907-265-L	3/4" HDPE SERVICE LINE FOR IRRIGATION	LIN. FT.	250	0				
907-265-L	3/4" SERVICE ASSEMBLY RECONNECTION	EACH	20	29				
613-D005	ADJUSTMENT OF MANHOLE	EACH	12	25				
907-632-J	STEEL CASING, BORED, 24"	LIN. FT.	1,730	959				
907-632-K	12" DIAMETER PVC C-900 UNENCASED BORE	LIN. FT.	600	1,330				
907-632-L	3/4" HDPE SERVICE LINE UNENCASED BORE	LIN. FT.	1,200	940				

DATE	REVISION			BY
MISSISSIPPI DEPARTMENT OF TRANSPORTATION				
SUMMARY OF QUANTITIES				
LAKE HARBOUR DR. WIDENING				
PROJECT NO.: STP-8323-00-(003)/ 104840-701000				
COUNTY: MADISON			WORKING NUMBER SQS-4	
FILENAME: SQS.DGN		SHEET NUMBER 11		
DESIGN TEAM	WEJ	CHECKED	DATE	

7/2/2015 15:34:16 SQSLHD.DGN ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

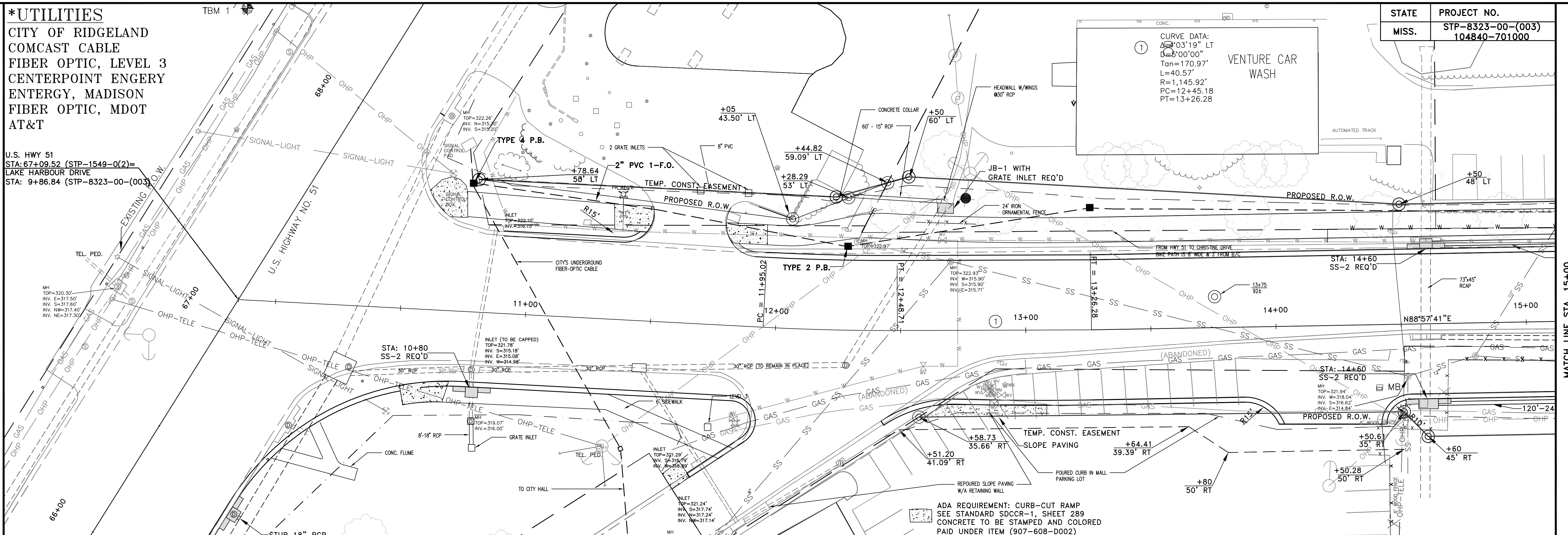
***UTILITIES**
 CITY OF RIDGELAND
 COMCAST CABLE
 FIBER OPTIC, LEVEL 3
 CENTERPOINT ENGERY
 ENTERGY, MADISON
 FIBER OPTIC, MDOT
 AT&T

U.S. HWY 51
 STA: 67+09.52 (STP-1549-0(2))=
 LAKE HARBOUR DRIVE
 STA: 9+86.84 (STP-8323-00-(003))

STATE MISS. PROJECT NO. STP-8323-00-(003) 104840-701000

① CURVE DATA:
 Δ=203°19' LT
 D=8°00'00"
 Tan=170.97'
 L=40.57'
 R=1,145.92'
 PC=12+45.18
 PT=13+26.28

VENTURE CAR WASH



*** PRIVATE UTILITIES IN CONFLICT TO BE REMOVED BY OTHERS**

EARTHWORK TOTAL THIS SHEET		
Cut		Cu.Yds
Fill	2864	Cu.Yds
Excess	890	Cu.Yds
Surplus		Cu.Yds
Borrow ()		Cu.Yds

STA. 10+80.00
 SS-2 REQ'D
 TC = 322.36'
 INV. = 315.43'
 FL = 315.62'
 L = 15'
 W = 2.5'
 H = 7.42'
 OPENINGS
 2@15"

STA. 11+60
 DRIVEWAY REQ'D LT

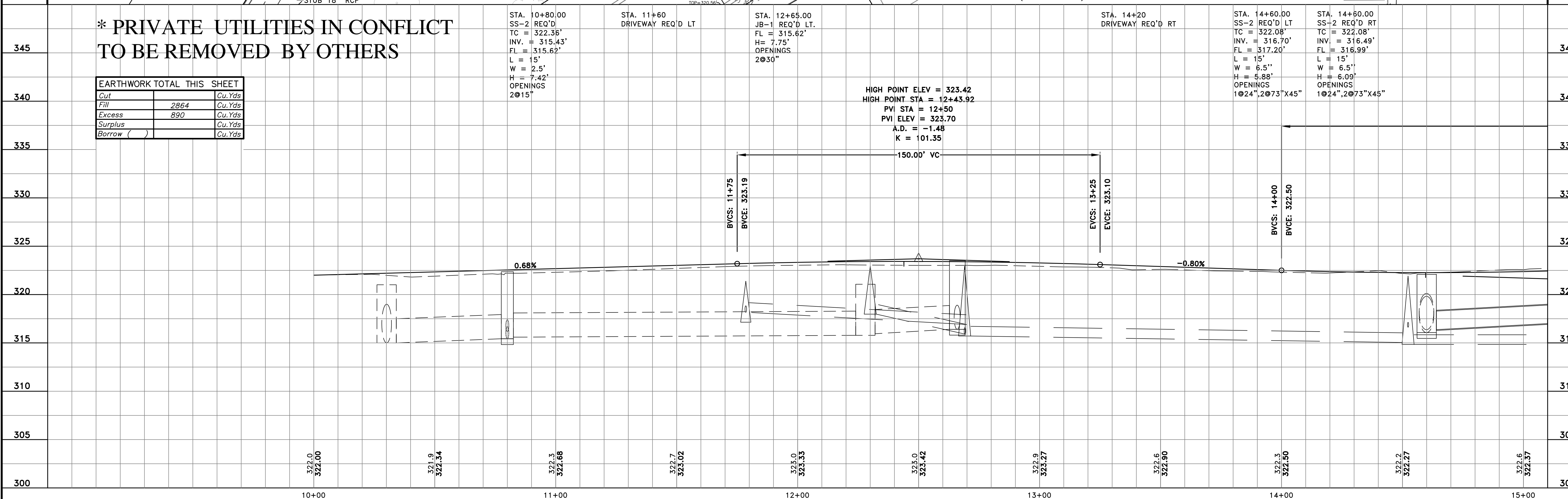
STA. 12+65.00
 JB-1 REQ'D LT.
 FL = 315.62'
 H = 7.75'
 OPENINGS
 2@30"

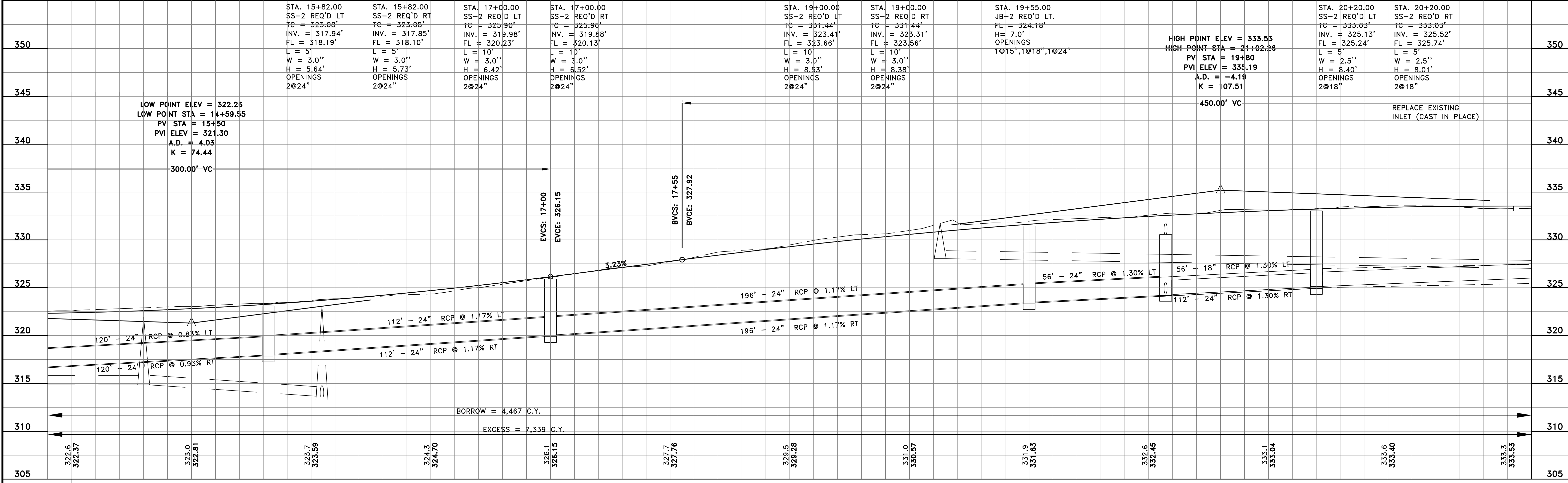
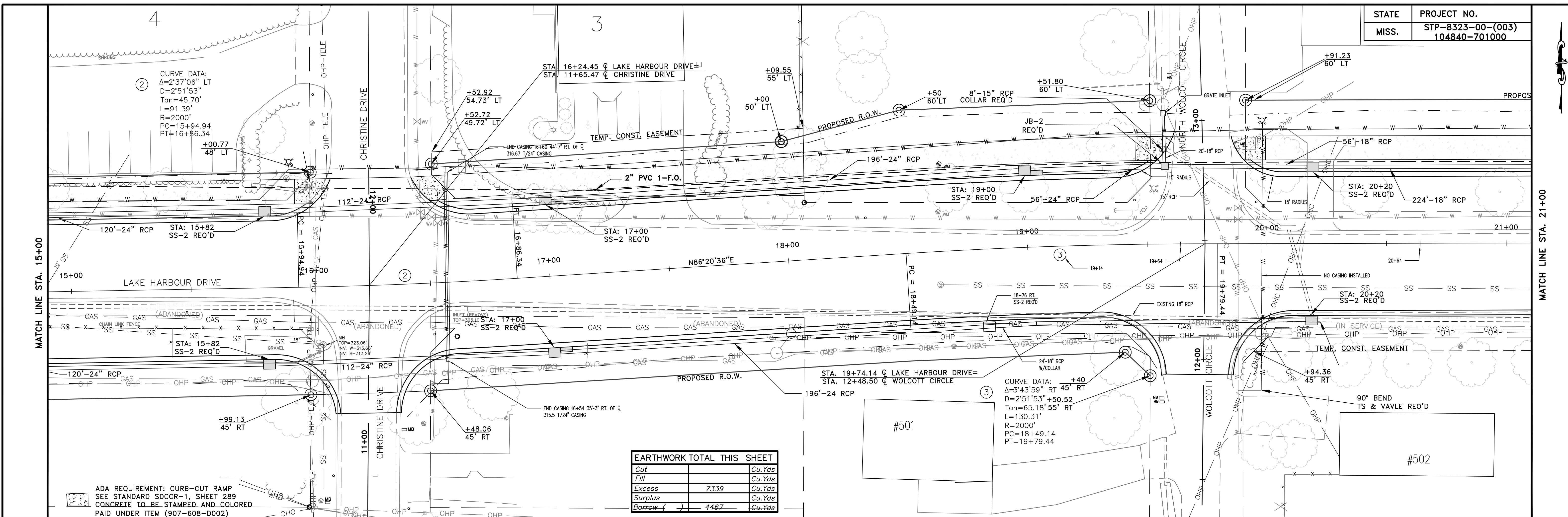
STA. 14+20
 DRIVEWAY REQ'D RT

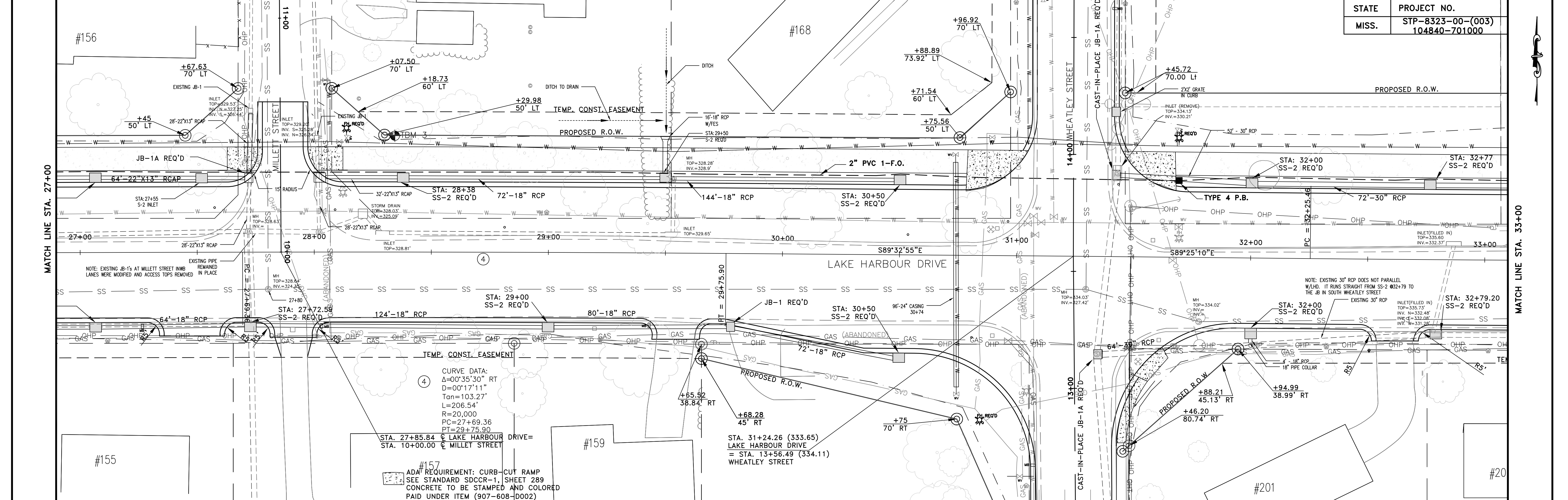
STA. 14+60.00
 SS-2 REQ'D LT
 TC = 322.08'
 INV. = 316.70'
 FL = 317.20'
 L = 15'
 W = 6.5"
 H = 5.88'
 OPENINGS
 1@24", 2@73"x45"

STA. 14+60.00
 SS-2 REQ'D RT
 TC = 322.08'
 INV. = 316.49'
 FL = 316.99'
 L = 15'
 W = 6.5"
 H = 6.09'
 OPENINGS
 1@24", 2@73"x45"

HIGH POINT ELEV = 323.42
 HIGH POINT STA = 12+43.92
 PVI STA = 12+50
 PVI ELEV = 323.70
 A.D. = -1.48
 K = 101.35

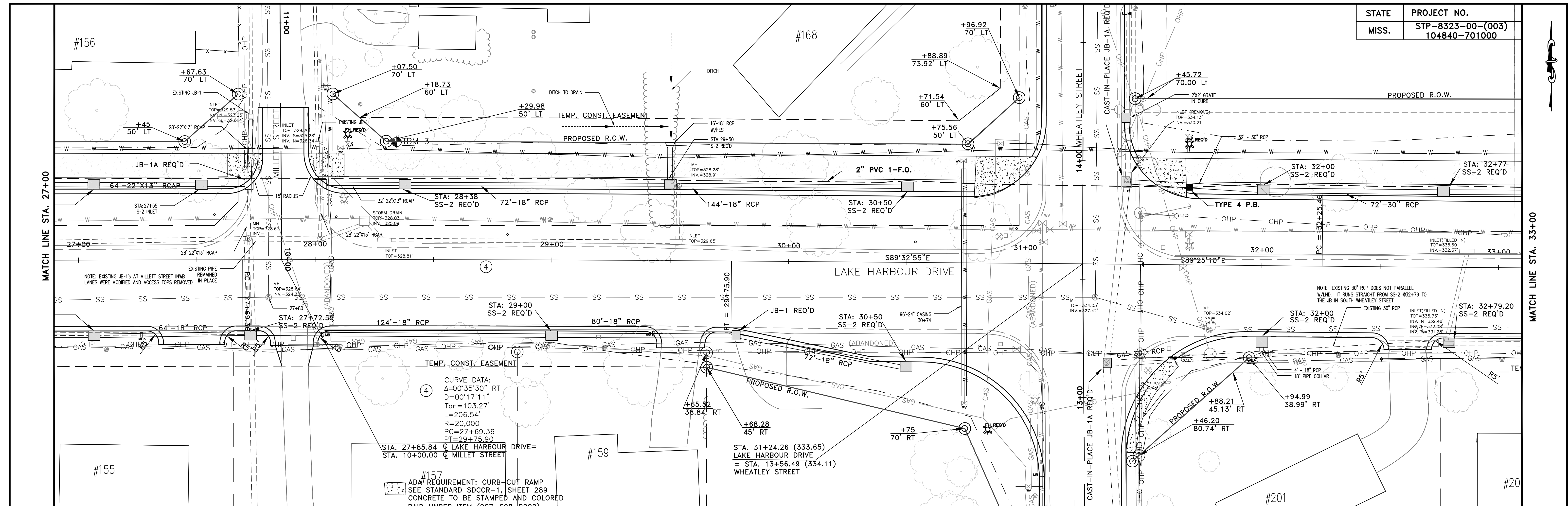




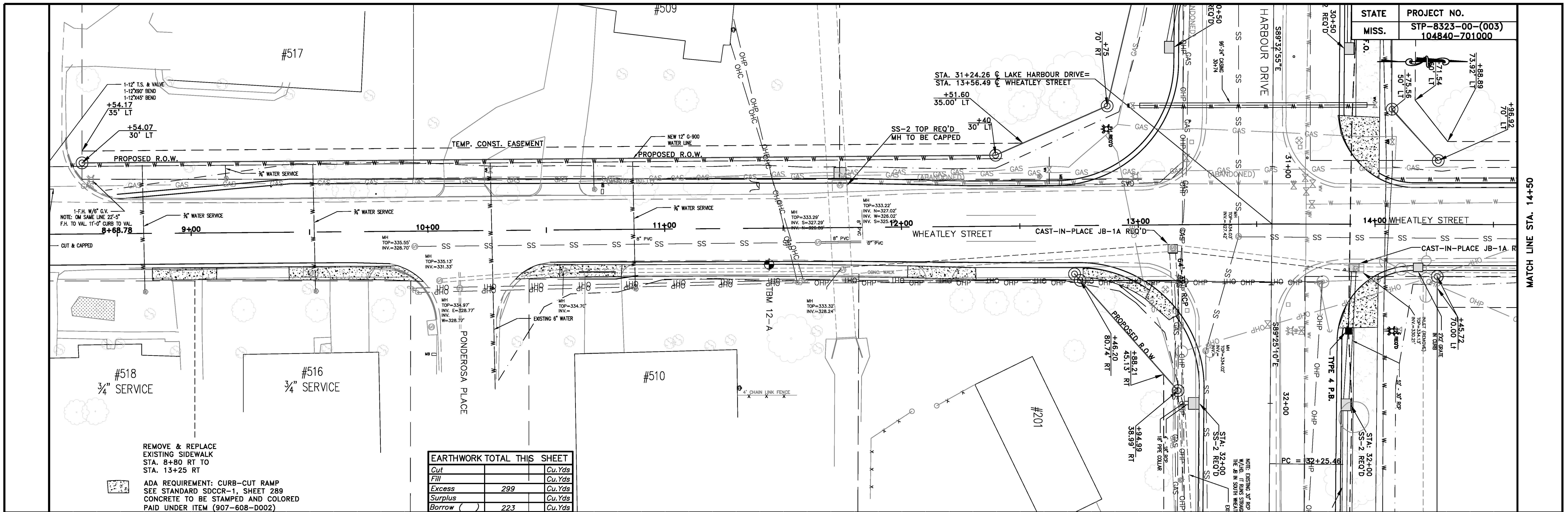


350	STA. 27+72.59 JB-1A REQ'D 31.5' LT. FL = 325.60' H = 4.0' OPENINGS 2@22"x13", 2@29"x18"	STA. 27+72.59 SS-2 REQ'D RT TC = 328.83' INV. = 324.68' FL = 324.93' L = 7' W = 2.5' H = 4.65' OPENINGS 2@18", 2@29"x18", 1@44"x27"	STA. 27+72.59 JB-1 REQ'D 60' LT. FL = 325.80' H = 4.0' OPENINGS 2@22"x13"	STA. 28+25.00 SS-2 REQ'D LT TC = 329.12' INV. = 325.00' FL = 326.20' L = 5' W = 2.5' H = 3.62' OPENINGS 1@18", 1@22"x13"	STA. 29+00.00 SS-2 REQ'D LT TC = 329.62' INV. = 326.67' FL = 326.81' L = 5' W = 2.5' H = 3.45' OPENINGS 2@18"	STA. 29+55 DRIVEWAY REQ'D RT PVI STA = 29+50 PVI ELEV = 330.00 A.D. = 1.54 K = 129.50	STA. 29+00.00 SS-2 REQ'D RT TC = 329.62' INV. = 325.30' FL = 325.51' L = 5' W = 2.5' H = 4.82' OPENINGS 2@18"	STA. 29+80 RT JB-1 REQ'D 60' RT. TC = 325.92' H = 4.0' OPENINGS 2@18"	STA. 30+50.00 SS-2 REQ'D LT TC = 331.92' INV. = 327.64' FL = 327.85' L = 5' W = 2.5' H = 4.78' OPENINGS 1@18"	STA. 30+50.00 SS-2 REQ'D RT TC = 331.67' INV. = 326.17' FL = 326.28' L = 5' W = 2.5' H = 6.00' OPENINGS 1@18"	<p>PVI STA = 31+50 PVI ELEV = 334.20 A.D. = -0.32 K = 307.69</p> <p>100.00' VC</p>	STA. 32+00.00 SS-2 REQ'D LT TC = 334.90' INV. = 329.57' FL = 329.90' L = 5' W = 3.5' H = 5.83' OPENINGS 2@30"	STA. 32+00.00 SS-2 REQ'D RT TC = 334.90' INV. = 329.27' FL = 329.60' L = 5' W = 3.5' H = 5.13' OPENINGS 3@30"	STA. 32+77.00 SS-2 REQ'D LT TC = 336.28' INV. = 331.03' FL = 331.28' L = 5' W = 3.5' H = 5.75' OPENINGS 1@24", 1@30"	STA. 32+79.20 SS-2 REQ'D RT TC = 336.53' INV. = 332.33' FL = 332.54' L = 5' W = 3.5' H = 4.70' OPENINGS 1@24", 1@30" CAST IN PLACE	350	
345	328.85 7+06.47 80 .50	STA. 27+28 DRIVEWAY REQ'D RT															345
340																	340
335																	335
330																	330
325																	325
320																	320
315																	315
310																	310
305																	305

EARTHWORK TOTAL THIS SHEET	
Cut	Cu.Yds
Fill	Cu.Yds
Excess	5471 Cu.Yds
Surplus	Cu.Yds
Borrow ()	4794 Cu.Yds



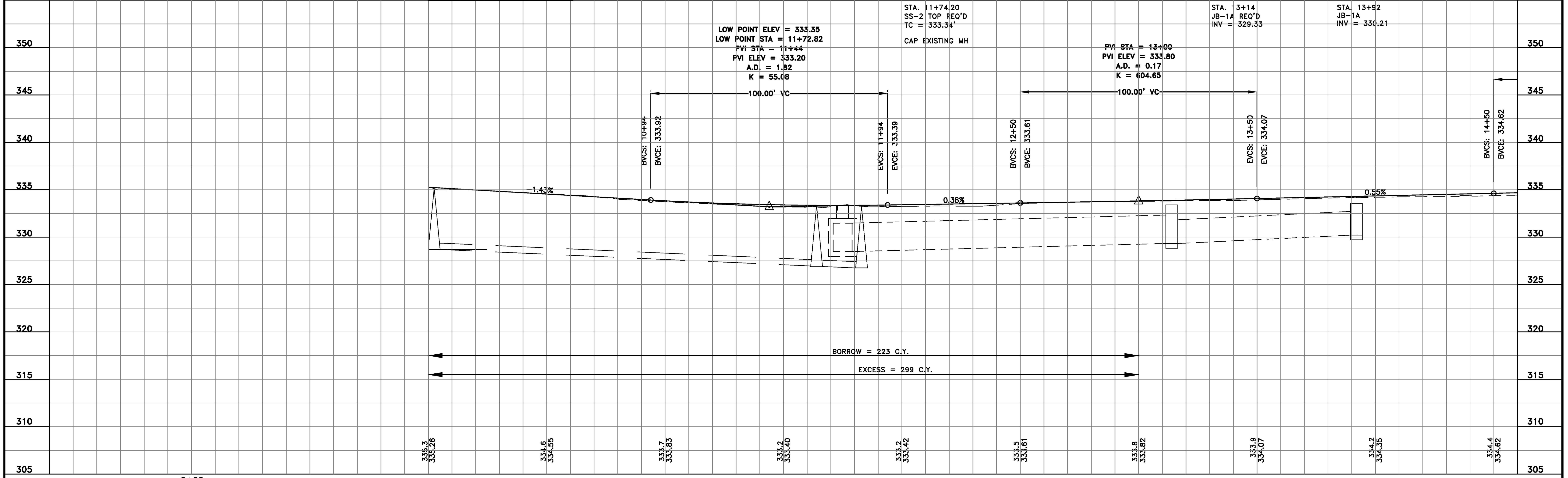
350	STA. 27+72.59 JB-1A REQ'D 31.5' LT. FL = 325.60' H = 4.0' OPENINGS 2@22"x13", 2@29"x18"	STA. 27+72.59 SS-2 REQ'D RT TC = 328.83' INV. = 324.68' FL = 324.93' L = 7' W = 2.5" H = 4.65' OPENINGS 2@18", 2@29"x18", 1@44"x27"	STA. 27+72.59 JB-1 REQ'D 60' LT. FL = 325.80' H = 4.0' OPENINGS 2@22"x13"	STA. 28+25.00 SS-2 REQ'D LT TC = 329.12' INV. = 326.00' FL = 326.20' L = 5' W = 2.5" H = 3.62' OPENINGS 1@18", 1@22"x13"	STA. 29+00.00 SS-2 REQ'D LT TC = 329.62' INV. = 326.67' FL = 326.81' L = 5' W = 2.5" H = 3.45' OPENINGS 2@18"	STA. 29+55 DRIVEWAY REQ'D RT PVI STA = 29+50 A.D. = 1.54 K = 129.50 200.00' VC	STA. 29+00.00 SS-2 REQ'D RT TC = 329.62' INV. = 325.50' FL = 325.51' L = 5' W = 2.5" H = 4.82' OPENINGS 2@18"	STA. 29+80 RT JB-1 REQ'D 60' RT. FL = 325.92' H = 4.0' OPENINGS 2@18"	STA. 30+50.00 SS-2 REQ'D LT TC = 331.92' INV. = 327.64' FL = 327.85' L = 5' W = 2.5" H = 4.78' OPENINGS 1@18"	STA. 30+50.00 SS-2 REQ'D RT TC = 331.67' INV. = 326.17' FL = 326.28' L = 5' W = 2.5" H = 6.00' OPENINGS 1@18"	PVI STA = 31+50 PVI ELEV = 334.20 A.D. = -0.32 K = 307.69 100.00' VC		STA. 32+00.00 SS-2 REQ'D LT TC = 334.90' INV. = 329.57' FL = 329.90' L = 5' W = 3.5' H = 5.83' OPENINGS 2@30"	STA. 32+00.00 SS-2 REQ'D RT TC = 334.90' INV. = 329.27' FL = 329.60' L = 5' W = 3.5' H = 6.13' OPENINGS 3@30"	STA. 32+77.00 SS-2 REQ'D LT TC = 336.28' INV. = 331.03' FL = 331.28' L = 5' W = 3.5' H = 5.75' OPENINGS 1@24", 1@30"	STA. 32+79.20 SS-2 REQ'D RT TC = 336.53' INV. = 332.53' FL = 332.54' L = 5' W = 3.5' H = 4.70' OPENINGS 1@24", 1@30" CAST IN PLACE	
345	328.85 7+06.47 80 .50	STA. 27+28 DRIVEWAY REQ'D RT	STA. 28+00.00 JB-1 REQ'D 60' LT. FL = 326.00' H = 4.0' OPENINGS 2@22"x13"	STA. 28+25.00 SS-2 REQ'D LT TC = 329.12' INV. = 326.00' FL = 326.20' L = 5' W = 2.5" H = 3.62' OPENINGS 1@18", 1@22"x13"	STA. 29+00.00 SS-2 REQ'D LT TC = 329.62' INV. = 326.67' FL = 326.81' L = 5' W = 2.5" H = 3.45' OPENINGS 2@18"	PVI STA = 29+50 A.D. = 1.54 K = 129.50 200.00' VC	STA. 29+00.00 SS-2 REQ'D RT TC = 329.62' INV. = 325.50' FL = 325.51' L = 5' W = 2.5" H = 4.82' OPENINGS 2@18"	STA. 29+80 RT JB-1 REQ'D 60' RT. FL = 325.92' H = 4.0' OPENINGS 2@18"	STA. 30+50.00 SS-2 REQ'D LT TC = 331.92' INV. = 327.64' FL = 327.85' L = 5' W = 2.5" H = 4.78' OPENINGS 1@18"	STA. 30+50.00 SS-2 REQ'D RT TC = 331.67' INV. = 326.17' FL = 326.28' L = 5' W = 2.5" H = 6.00' OPENINGS 1@18"	PVI STA = 31+50 PVI ELEV = 334.20 A.D. = -0.32 K = 307.69 100.00' VC		STA. 32+00.00 SS-2 REQ'D LT TC = 334.90' INV. = 329.57' FL = 329.90' L = 5' W = 3.5' H = 5.83' OPENINGS 2@30"	STA. 32+00.00 SS-2 REQ'D RT TC = 334.90' INV. = 329.27' FL = 329.60' L = 5' W = 3.5' H = 6.13' OPENINGS 3@30"	STA. 32+77.00 SS-2 REQ'D LT TC = 336.28' INV. = 331.03' FL = 331.28' L = 5' W = 3.5' H = 5.75' OPENINGS 1@24", 1@30"	STA. 32+79.20 SS-2 REQ'D RT TC = 336.53' INV. = 332.53' FL = 332.54' L = 5' W = 3.5' H = 4.70' OPENINGS 1@24", 1@30" CAST IN PLACE	
340																	
335	EARTHWORK TOTAL THIS SHEET																
	Cut	Cu. Yds															
	Fill	Cu. Yds															
	Excess	5471															
	Surplus	Cu. Yds															
	Borrow	4794															
330																	
325																	
320																	
315																	
310																	
305																	



EARTHWORK TOTAL THIS SHEET	
Cut	Cu.Yds
Fill	Cu.Yds
Excess	299 Cu.Yds
Surplus	Cu.Yds
Borrow ()	223 Cu.Yds

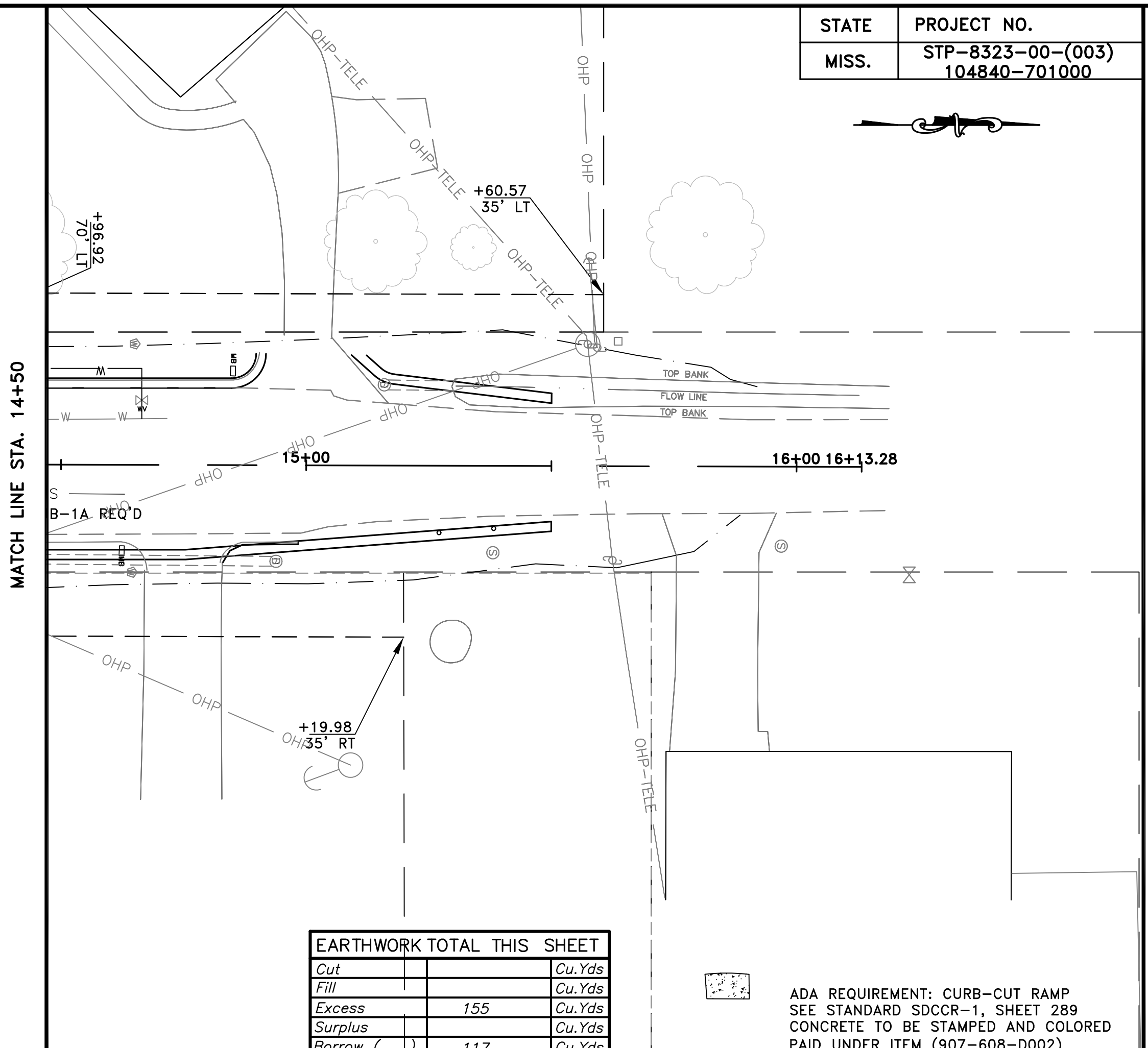
REMOVE & REPLACE EXISTING SIDEWALK STA. 8+80 RT TO STA. 13+25 RT

ADA REQUIREMENT: CURB-CUT RAMP SEE STANDARD SDCCR-1, SHEET 289 CONCRETE TO BE STAMPED AND COLORED PAID UNDER ITEM (907-608-D002)



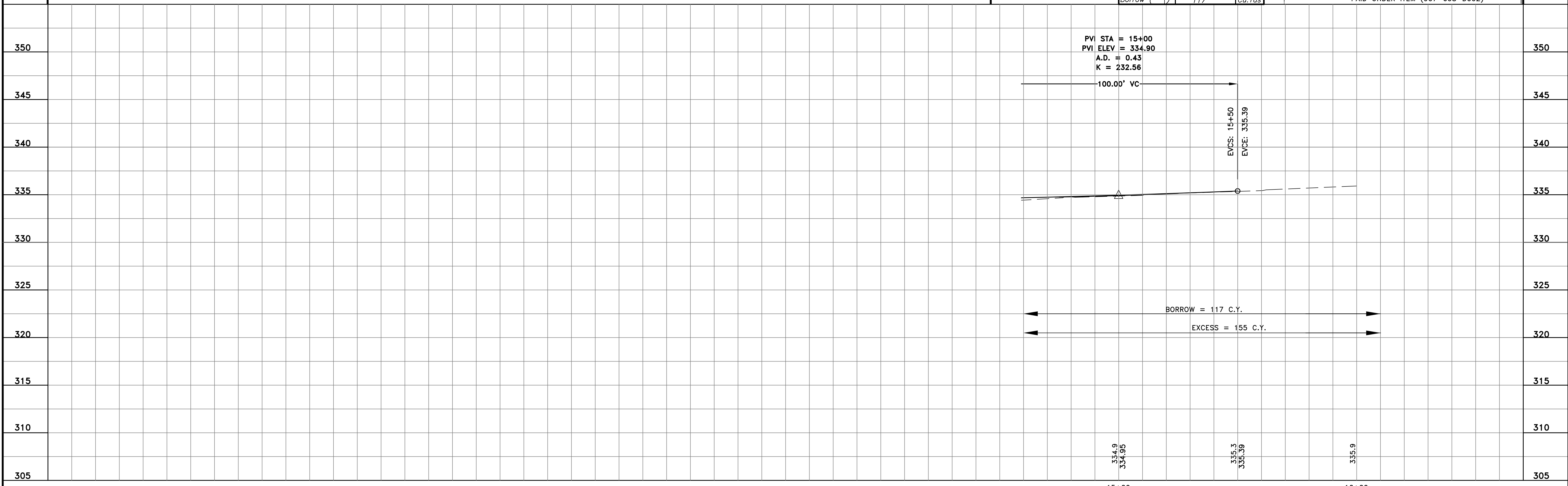
NO.	DATE	REVISIONS	BY	DRAWN BY: CE, SW DESIGNED BY: CE, SW CHECKED BY:	DATE: 03-2008 PROJECT: T05-063 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=5'	143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9526 FAX 601-352-3945	CITY OF RIDGELAND MADISON COUNTY MISSISSIPPI	LAKE HARBOUR WIDENING MADISON COUNTY: STP-8323-00-(003)104840-701000	WK NO. WK 6A SHEET NO. 26
-----	------	-----------	----	--	---	--	--	--	------------------------------

STATE PROJECT NO.
MISS. STP-8323-00-(003)
104840-701000



EARTHWORK TOTAL THIS SHEET	
Cut	Cu.Yds
Fill	Cu.Yds
Excess	155
Surplus	Cu.Yds
Borrow ()	117

ADA REQUIREMENT: CURB-CUT RAMP
SEE STANDARD SDCCR-1, SHEET 289
CONCRETE TO BE STAMPED AND COLORED
PAID UNDER ITEM (907-608-D002)



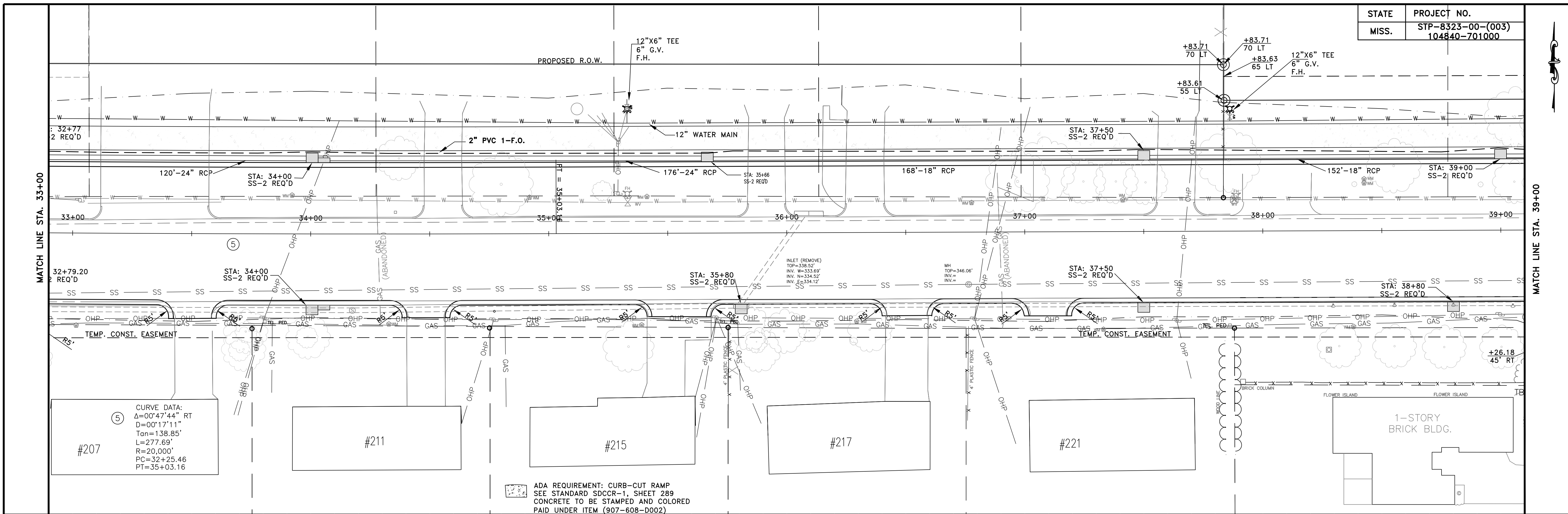
NO.	DATE	REVISIONS	BY	CHECKED BY	DATE	PROJECT	HORIZ. SCALE	VERT. SCALE
					03-2008	T05-063	1"=20'	1"=5'

WAGGONER
Engineering, Inc.
143-A LEFLEURS SQUARE
JACKSON, MS 39211
601-355-9526
FAX 601-352-3945

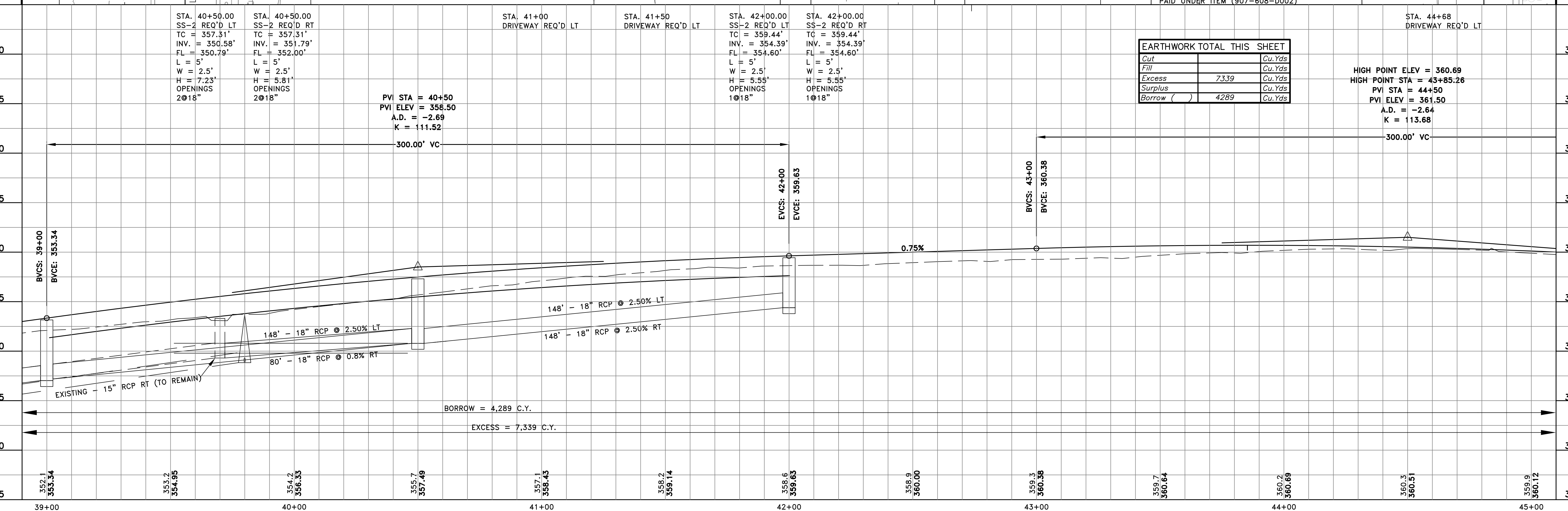
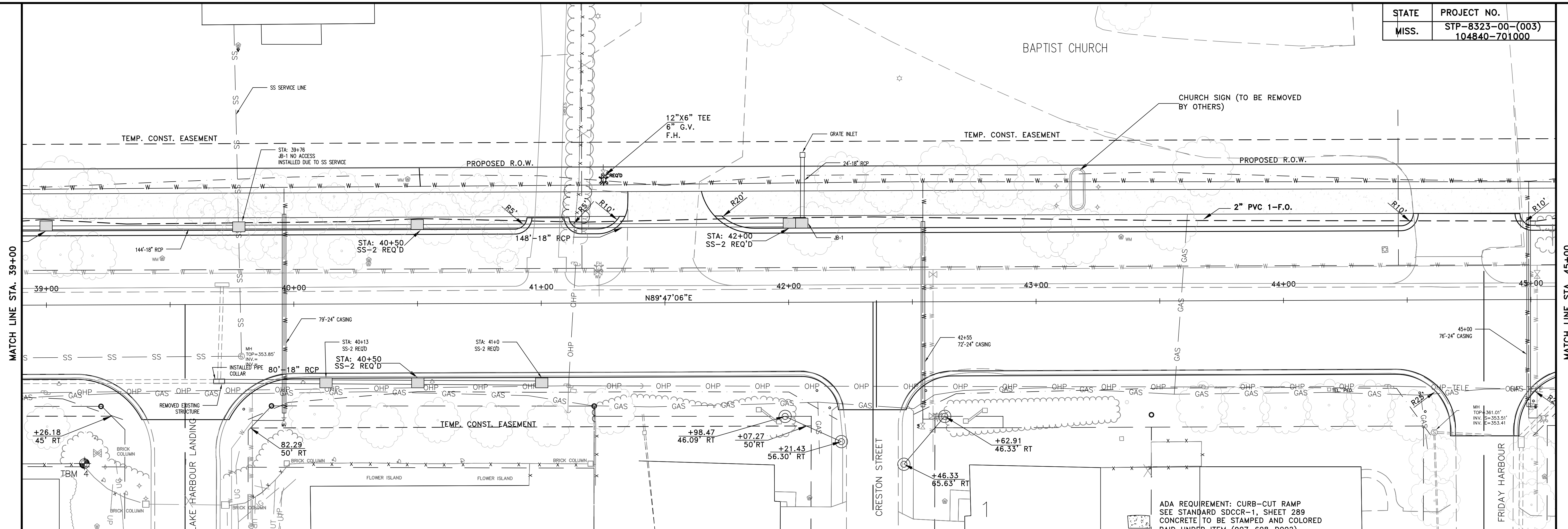
CITY OF RIDGELAND
MADISON COUNTY
MISSISSIPPI

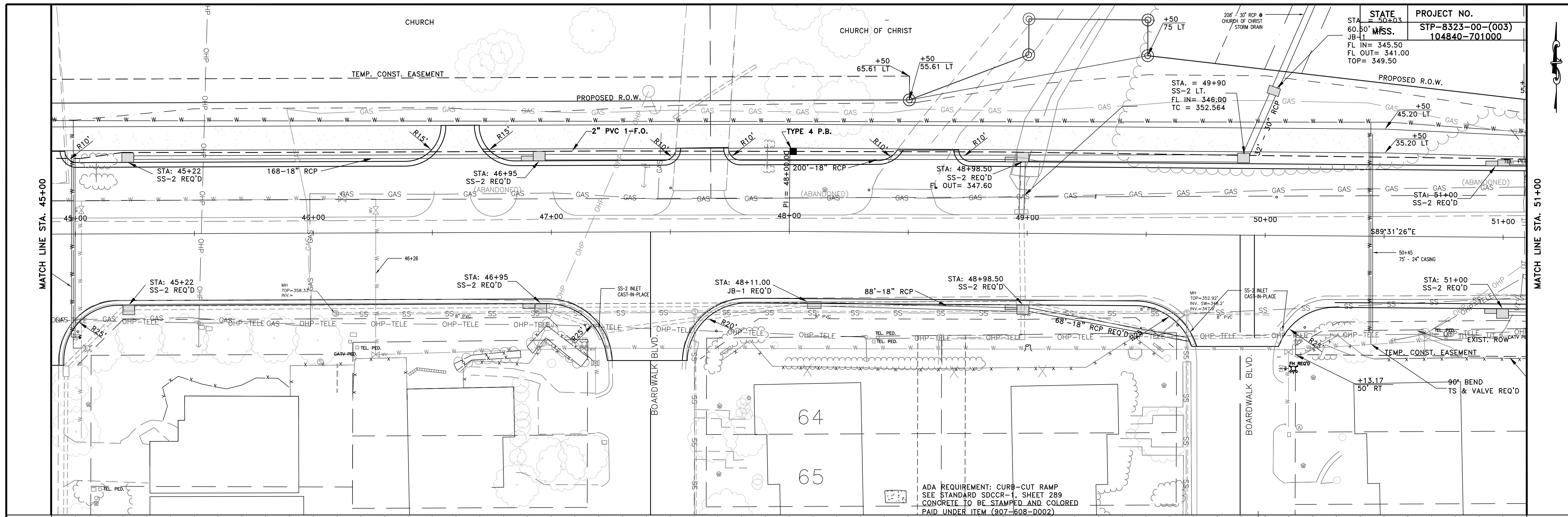
LAKE HARBOUR WIDENING
MADISON COUNTY: STP-8323-00-(003)104840-701000

WK NO. SHEET NO.
WK 6B 27

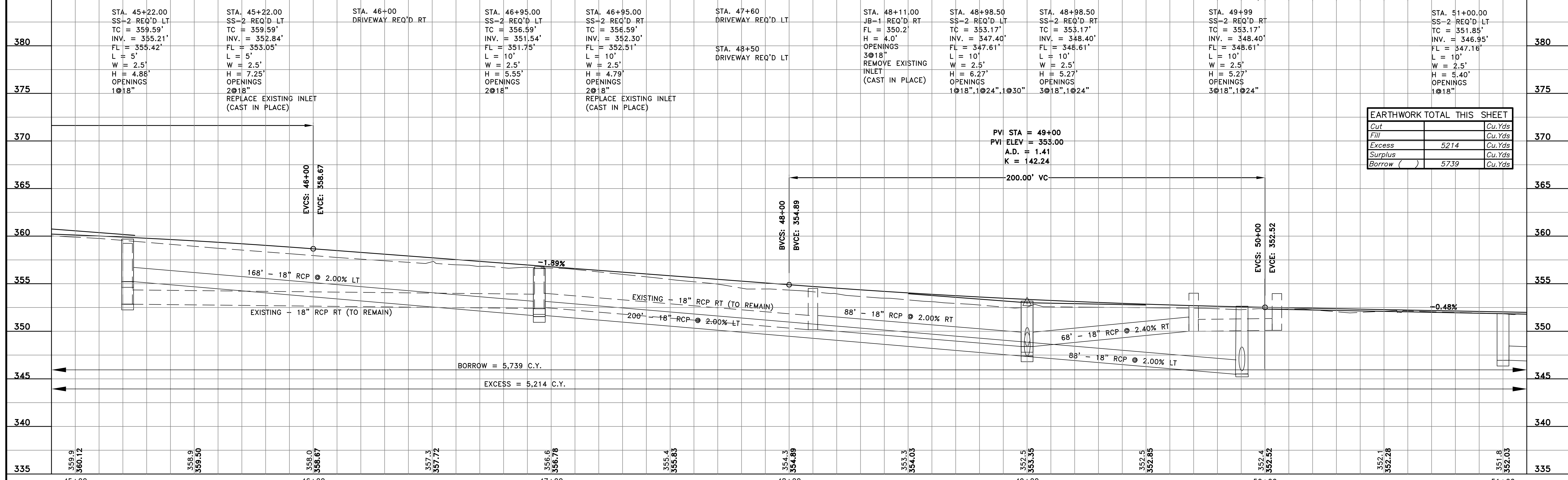


STA.	33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00
360	EARTHWORK TOTAL THIS SHEET												
355	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
350	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
345	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
340	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
335	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
330	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
325	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
320	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			
315	32+79.20	33+50	34+00	34+48	35+50	36+50	37+50	38+00	38+50	39+00			





STATE PROJECT NO.
60.50' MISS. STP-8323-00-(003)
JOB-1 104840-701000
FL IN= 345.50
FL OUT= 341.00
TOP= 349.50



EARTHWORK TOTAL THIS SHEET	
Cut	Cu.Yds
Fill	Cu.Yds
Excess	5214 Cu.Yds
Surplus	Cu.Yds
Borrow ()	5739 Cu.Yds

STATE	PROJECT NO.
MISS.	STP-8323-00-(003) 104840-701000

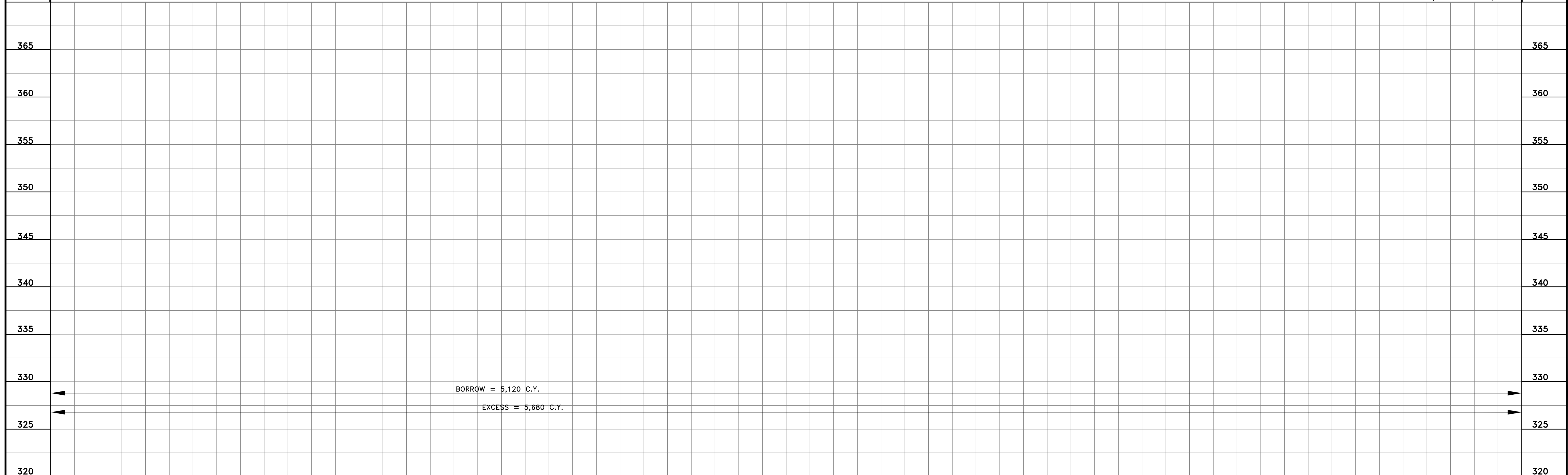
MATCH LINE STA. 51+00

MATCH LINE STA. 57+00

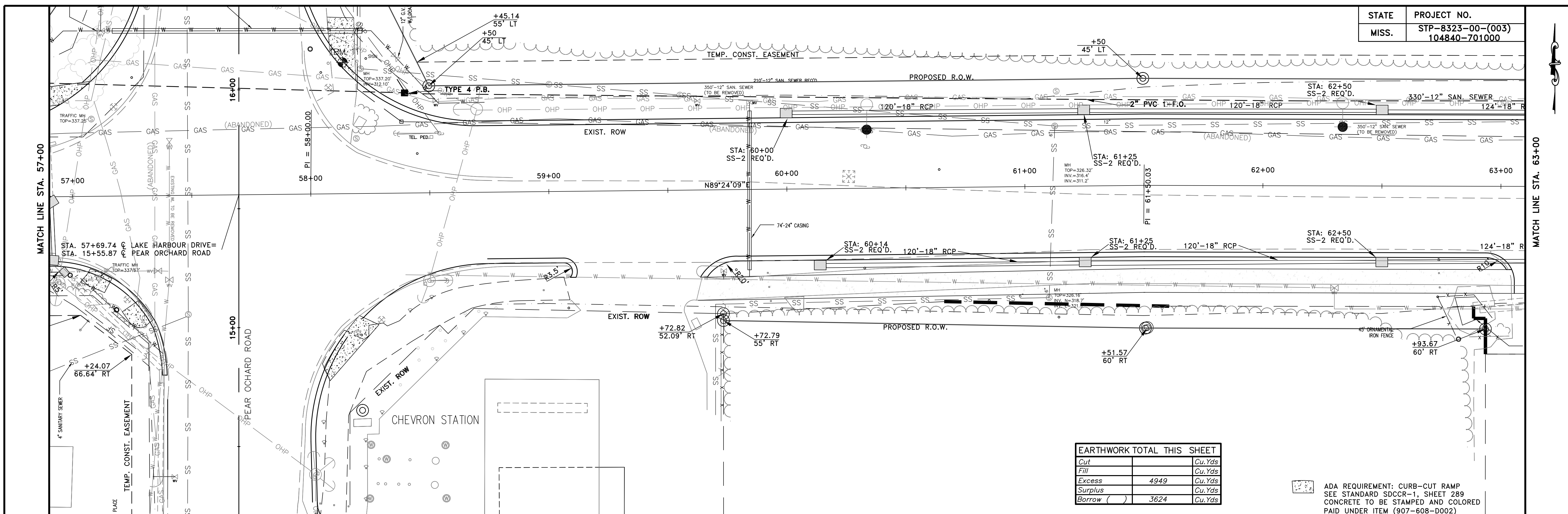
EARTHWORK TOTAL THIS SHEET	
Cut	Cu. Yds
Fill	Cu. Yds
Excess	5680 Cu. Yds
Surplus	Cu. Yds
Borrow ()	5120 Cu. Yds



ADA REQUIREMENT: CURB-CUT RAMP
SEE STANDARD SDCCR-1, SHEET 289
CONCRETE TO BE STAMPED AND COLORED
PAID UNDER ITEM (907-608-D002)

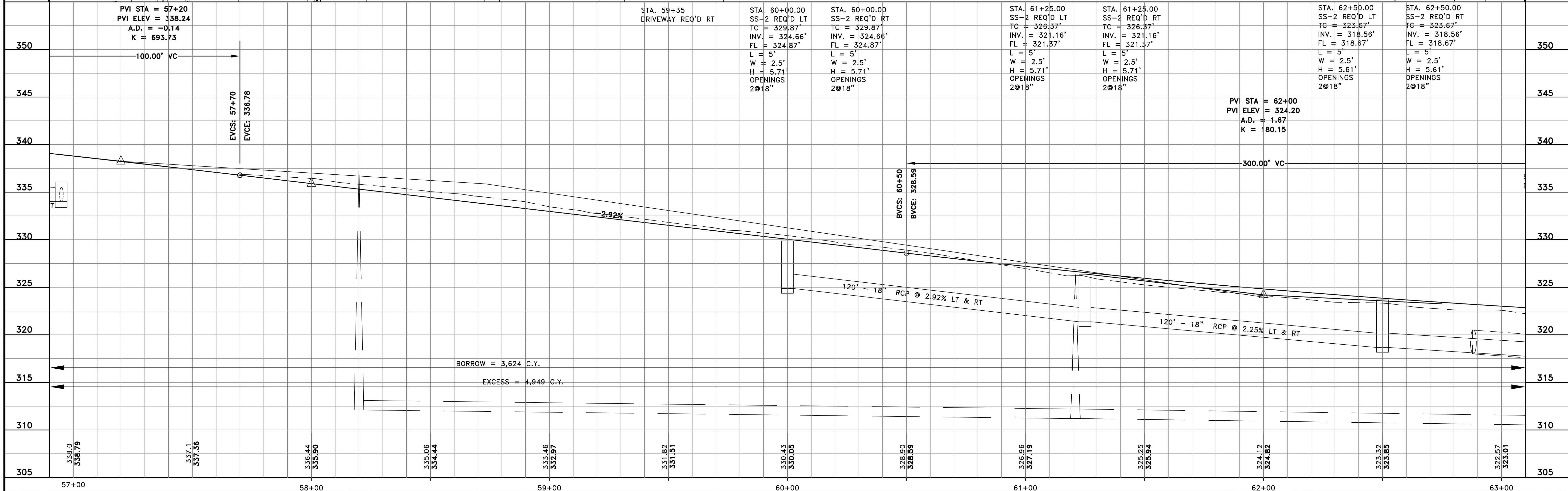


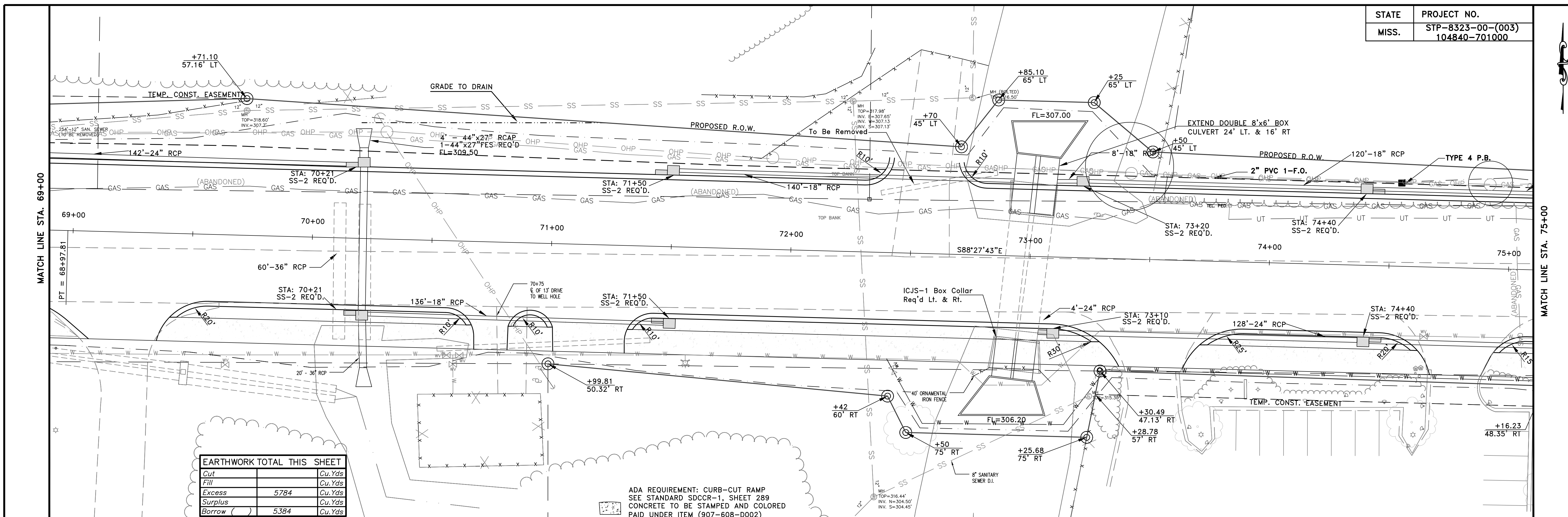
NO.	DATE	REVISIONS	BY	DESIGNED BY:	DATE:	HORIZ. SCALE:		143-A LEFLEURS SQUARE JACKSON, MS 39211 601-355-9626 FAX 601-352-3945	CITY OF RIDGELAND MADISON COUNTY MISSISSIPPI	LAKE HARBOUR WIDENING MADISON COUNTY: STP-8323-00-(003)104840-701000	WK NO.	SHEET NO.
				CE, SW	03-2008	1"=20'					CE, SW	T05-063



EARTHWORK TOTAL THIS SHEET	
Cut	Cu.Yds
Fill	Cu.Yds
Excess	4949 Cu.Yds
Surplus	Cu.Yds
Borrow ()	3624 Cu.Yds

ADA REQUIREMENT: CURB-CUT RAMP
SEE STANDARD SDCCR-1, SHEET 289
CONCRETE TO BE STAMPED AND COLORED
PAID UNDER ITEM (907-608-D002)

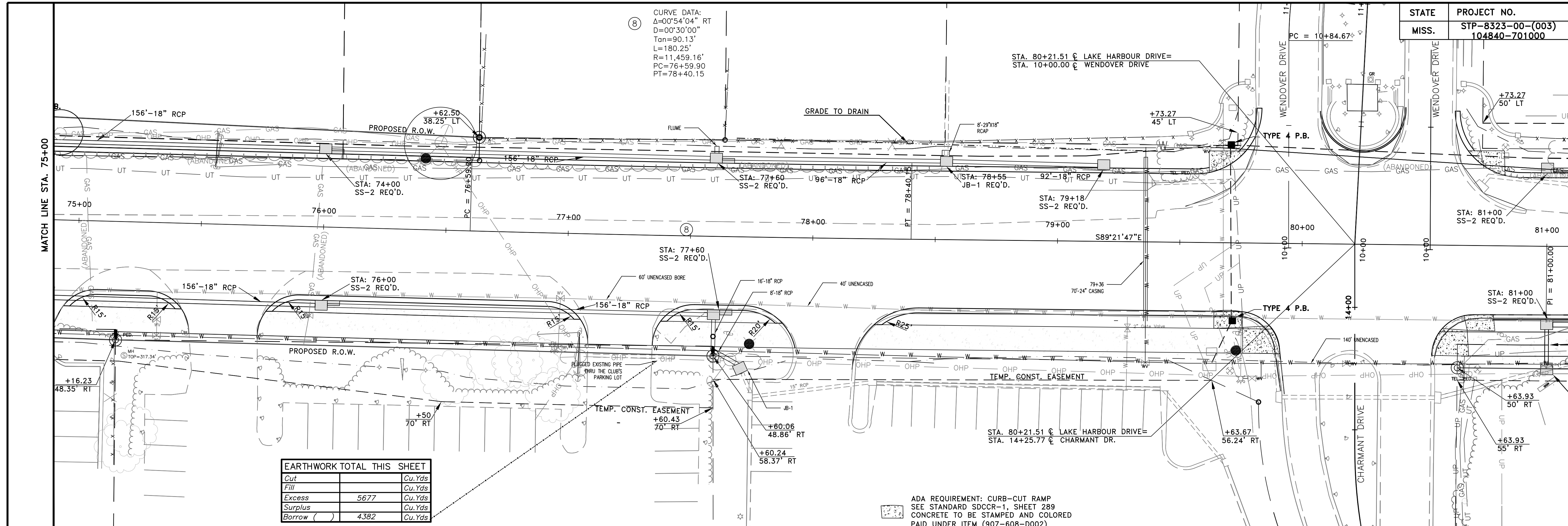




EARTHWORK TOTAL THIS SHEET	
Cut	Cu. Yds
Fill	Cu. Yds
Excess	5784 Cu. Yds
Surplus	Cu. Yds
Borrow	5384 Cu. Yds

ADA REQUIREMENT: CURB-CUT RAMP
SEE STANDARD SDCCR-1, SHEET 289
CONCRETE TO BE STAMPED AND COLORED
PAID UNDER ITEM (907-608-D002)

Station	Description	TC	INV.	FL	L	W	H	OPENINGS	Notes
69+20	DRIVEWAY REQ'D RT	314.75'	309.07'	309.40'	10'	2.5'	6.25'	1@24"	200.00' VC
70+12.23	SS-2 REQ'D LT	314.75'	309.07'	309.40'	10'	2.5'	6.25'	1@24", 2@44"x27"	
70+12.23	SS-2 REQ'D RT	314.75'	309.07'	309.40'	10'	2.5'	6.25'	1@44"x27"	
70+85	DRIVEWAY REQ'D RT	315.24'	310.04'	310.25'	10'	2.5'	5.70'	1@18"	
71+50	SS-2 REQ'D LT	315.24'	310.04'	310.25'	10'	2.5'	5.70'	1@18"	
71+50	SS-2 REQ'D RT	315.24'	310.04'	310.25'	10'	2.5'	5.70'	1@18"	
72+55	DRIVEWAY REQ'D LT	316.23'	310.55'	310.80'	10'	2.5'	6.18'	2@18"	
73+00	DBL 8'x6' BOX	316.23'	310.55'	310.80'	10'	2.5'	6.18'	2@18"	
73+20	SS-2 REQ'D LT	316.23'	310.55'	310.80'	10'	2.5'	6.18'	2@18"	
73+10	SS-2 REQ'D RT	316.15'	310.55'	310.80'	10'	3.0'	6.1'	2@24"	
73+50	DRIVEWAY REQ'D RT	317.63'	311.93'	312.13'	10'	2.5'	6.25'	1@18", 1@24"	300.00' VC
74+40	SS-2 REQ'D LT	317.63'	311.93'	312.13'	10'	2.5'	6.25'	1@18"	
74+40	SS-2 REQ'D RT	317.63'	311.93'	312.13'	10'	3.0'	6.25'	1@18", 1@24"	
74+75	DRIVEWAY REQ'D RT	318.06'	311.88'	312.13'	10'	3.0'	6.25'	1@18", 1@24"	



EARTHWORK TOTAL THIS SHEET

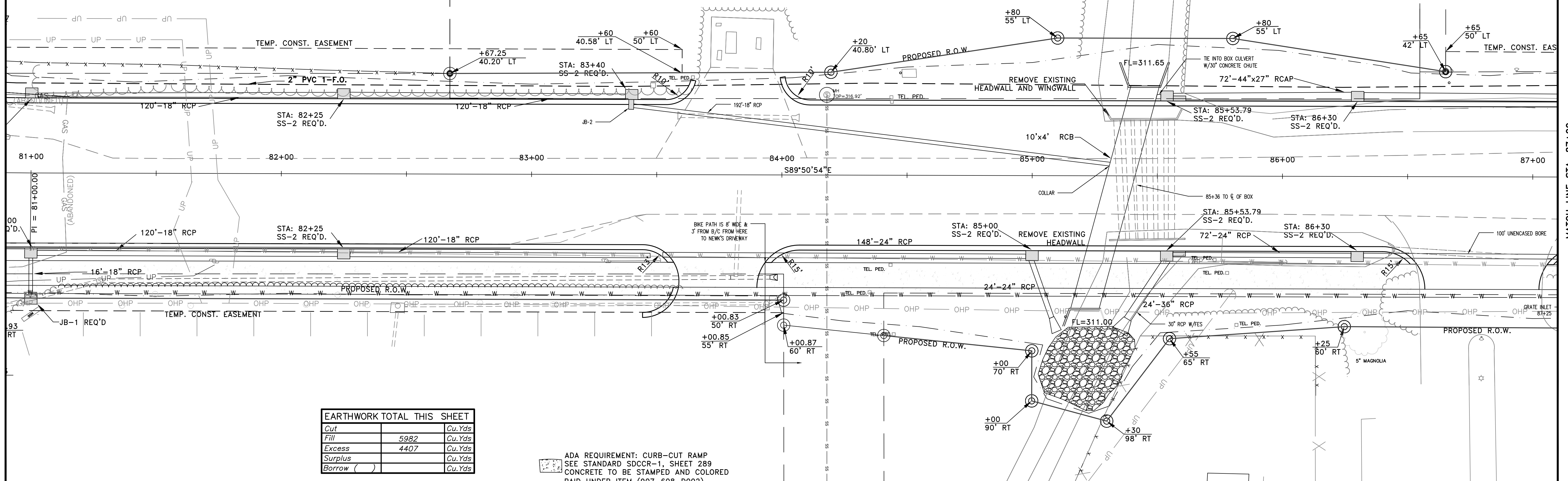
Cut		Cu. Yds
Fill		Cu. Yds
Excess	5677	Cu. Yds
Surplus		Cu. Yds
Borrow	4382	Cu. Yds

ADA REQUIREMENT: CURB-CUT RAMP
 SEE STANDARD SDCCR-1, SHEET 289
 CONCRETE TO BE STAMPED AND COLORED
 PAID UNDER ITEM (907-608-D002)

Station	Description	TC	INV.	FL	L	W	H	OPENINGS	Notes
75+60	DRIVEWAY REQ'D RT	320.56'	314.79'	315.00'	10'	2.5'	6.29'	2@18"	
76+00	SS-2 REQ'D LT	320.56'	314.79'	315.00'	10'	2.5'	6.29'	2@18"	
76+00	SS-2 REQ'D RT	320.56'	314.79'	315.00'	10'	2.5'	6.29'	2@18"	
77+22	DRIVEWAY REQ'D RT	323.20'	317.31'	317.50'	5'	2.5'	6.39'	3@18"	
77+40	GRATE INLET REQ'D LT	323.20'	317.31'	317.50'	5'	2.5'	6.39'	3@18"	
77+60	SS-2 REQ'D LT	323.52'	317.61'	317.82'	10'	2.5'	6.41'	3@18"	
77+60	SS-2 REQ'D RT	323.52'	317.61'	317.82'	10'	2.5'	6.41'	3@18"	
78+05	DRIVEWAY REQ'D RT	323.52'	317.61'	317.82'	10'	2.5'	6.41'	3@18"	
78+85	OFFSET 31.00'	318.28'	318.28'	318.28'	5'	2.5'	6.79'	1@18"	
79+50	SS-2 REQ'D LT	324.82'	318.53'	318.74'	5'	2.5'	6.79'	1@18"	
81+00.0	SS-2 REQ'D LT	323.95'	319.21'	319.00'	5'	2.5'	5.24'	1@18"	
81+00.0	SS-2 REQ'D RT	323.95'	319.21'	319.00'	5'	2.5'	5.24'	1@18"	
81+00	OFFSET 48.50'	319.25'	319.25'	319.25'	5'	2.5'	5.00'	3@18"	

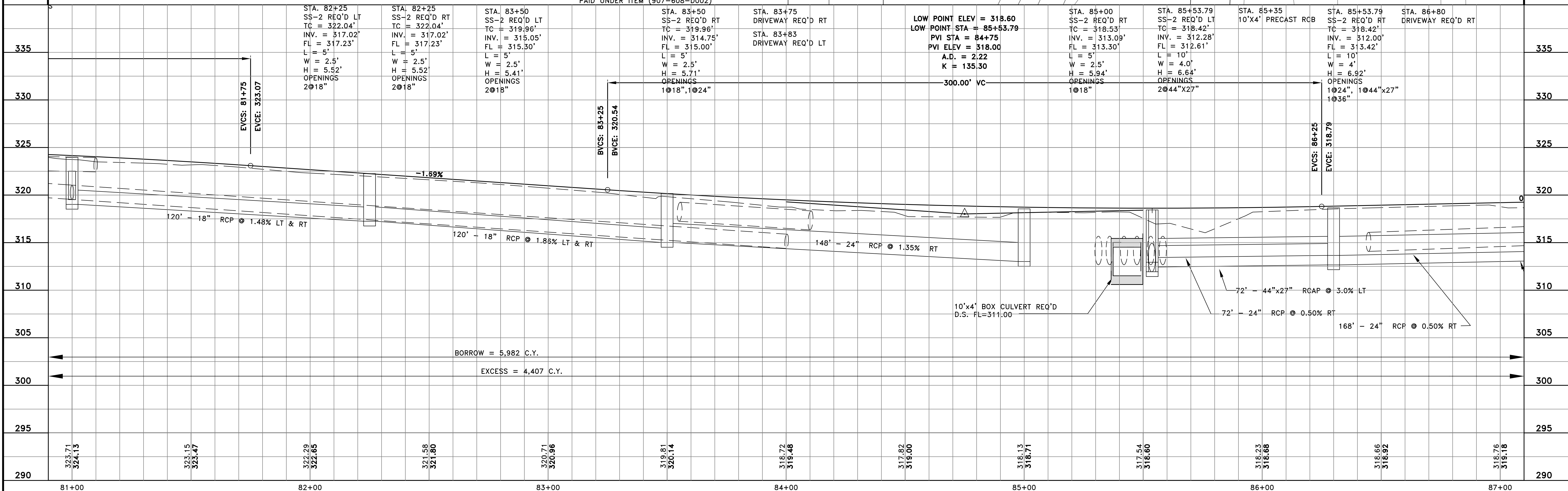
MATCH LINE STA. 81+00

MATCH LINE STA. 87+00



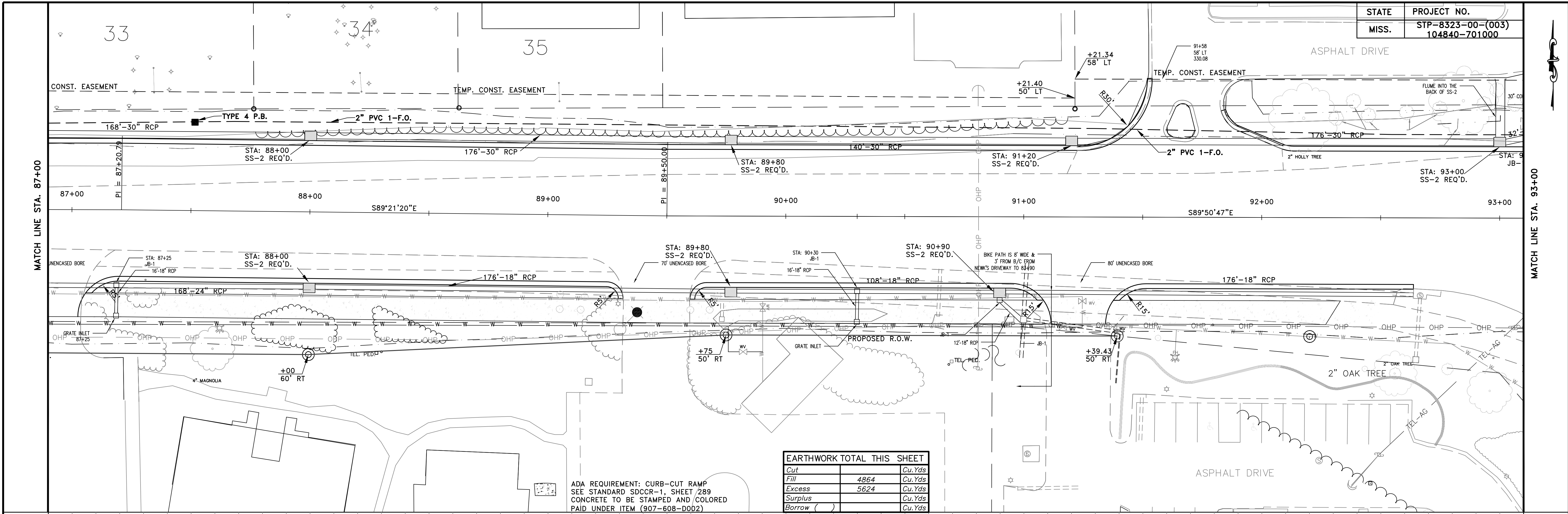
EARTHWORK TOTAL THIS SHEET	
Cut	Cu.Yds
Fill	5982
Excess	4407
Surplus	Cu.Yds
Borrow	()

ADA REQUIREMENT: CURB-CUT RAMP
SEE STANDARD SDCCR-1, SHEET 289
CONCRETE TO BE STAMPED AND COLORED
PAID UNDER ITEM (907-608-0002)



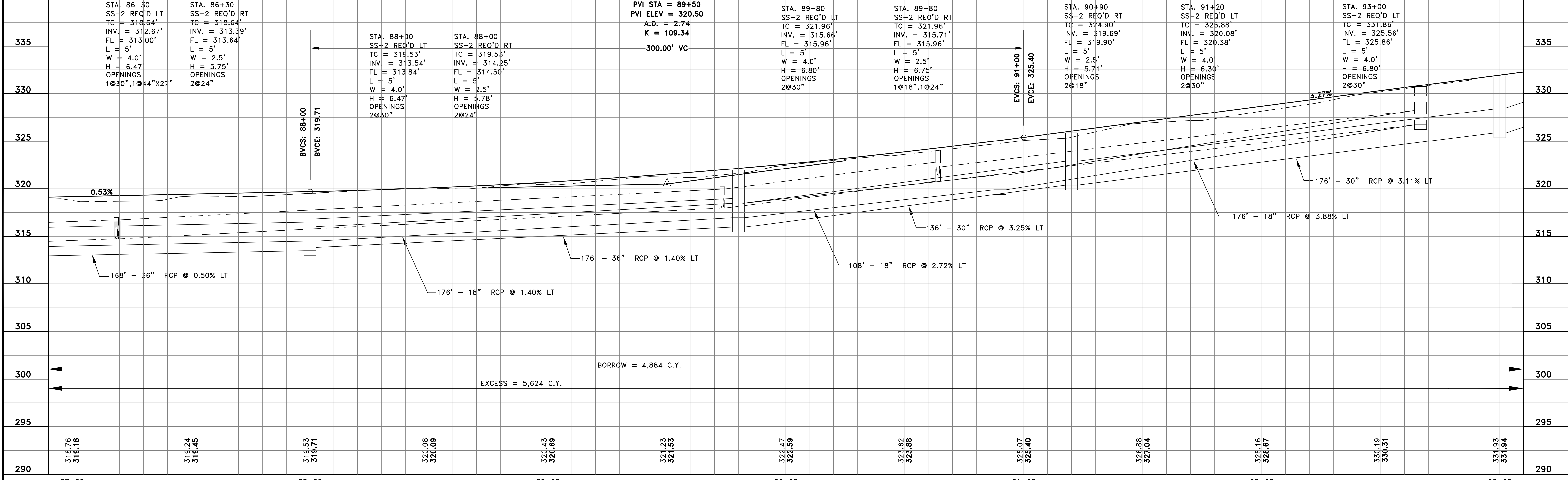
STA. 82+25	STA. 82+25	STA. 83+50	STA. 83+50	STA. 83+75	STA. 85+00	STA. 85+53.79	STA. 85+35	STA. 85+53.79	STA. 86+80
SS-2 REQ'D LT	SS-2 REQ'D RT	SS-2 REQ'D LT	SS-2 REQ'D RT	DRIVEWAY REQ'D RT	SS-2 REQ'D RT	SS-2 REQ'D LT	10'x4' PRECAST RCB	SS-2 REQ'D RT	DRIVEWAY REQ'D RT
TC = 322.04'	TC = 322.04'	TC = 319.96'	TC = 319.96'	STA. 83+83	TC = 318.53'	TC = 318.42'		TC = 318.42'	
INV. = 317.02'	INV. = 317.02'	INV. = 315.05'	INV. = 314.75'	DRIVEWAY REQ'D LT	INV. = 313.09'	INV. = 312.28'		INV. = 312.00'	
FL = 317.23'	FL = 317.23'	FL = 315.30'	FL = 315.00'		FL = 313.30'	FL = 312.61'		FL = 313.42'	
L = 5'	L = 5'	L = 5'	L = 5'		L = 5'	L = 10'		L = 10'	
W = 2.5'	W = 2.5'	W = 2.5'	W = 2.5'		W = 2.5'	W = 4.0'		W = 4.0'	
H = 5.52'	H = 5.52'	H = 5.41'	H = 5.71'		H = 5.94'	H = 6.64'		H = 6.92'	
OPENINGS	OPENINGS	OPENINGS	OPENINGS		OPENINGS	OPENINGS		OPENINGS	
2@18"	2@18"	2@18"	1@18", 1@24"		1@18"	2@44"x27"		1@24", 1@44"x27"	

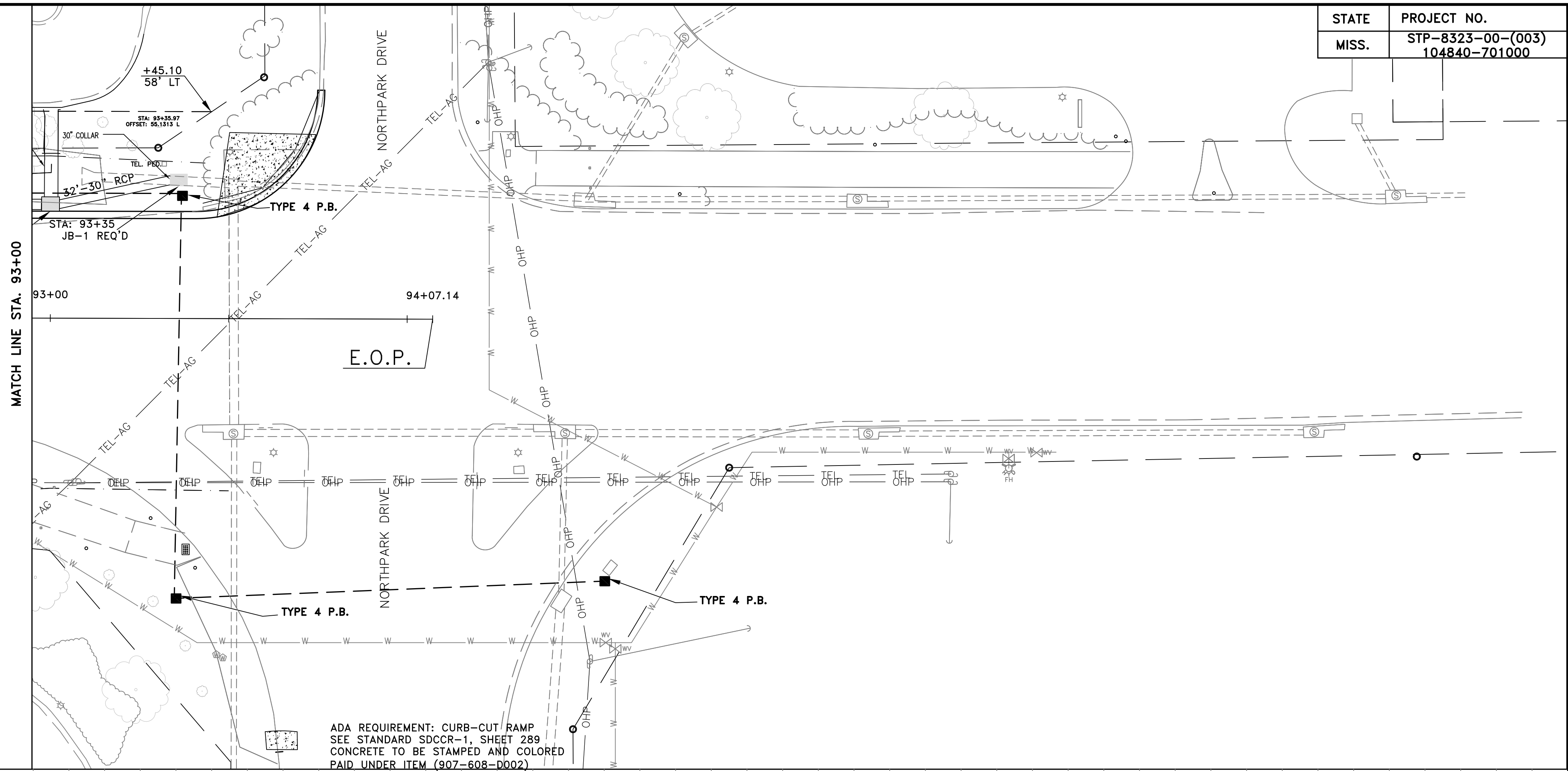
BORROW = 5,982 C.Y.
EXCESS = 4,407 C.Y.



EARTHWORK TOTAL THIS SHEET	
Cut	Cu.Yds
Fill	4864 Cu.Yds
Excess	5624 Cu.Yds
Surplus	Cu.Yds
Borrow	Cu.Yds

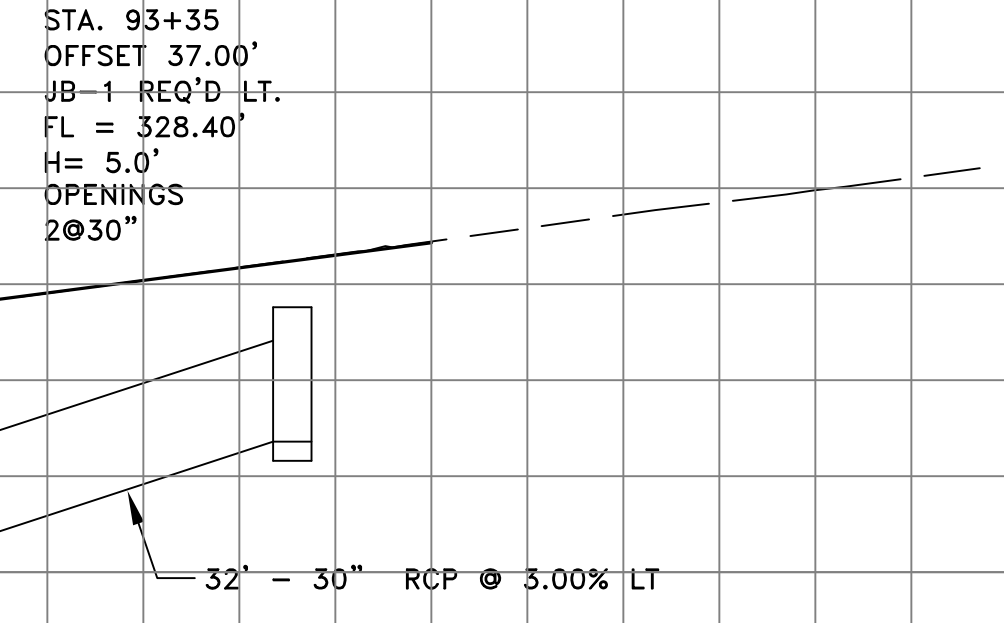
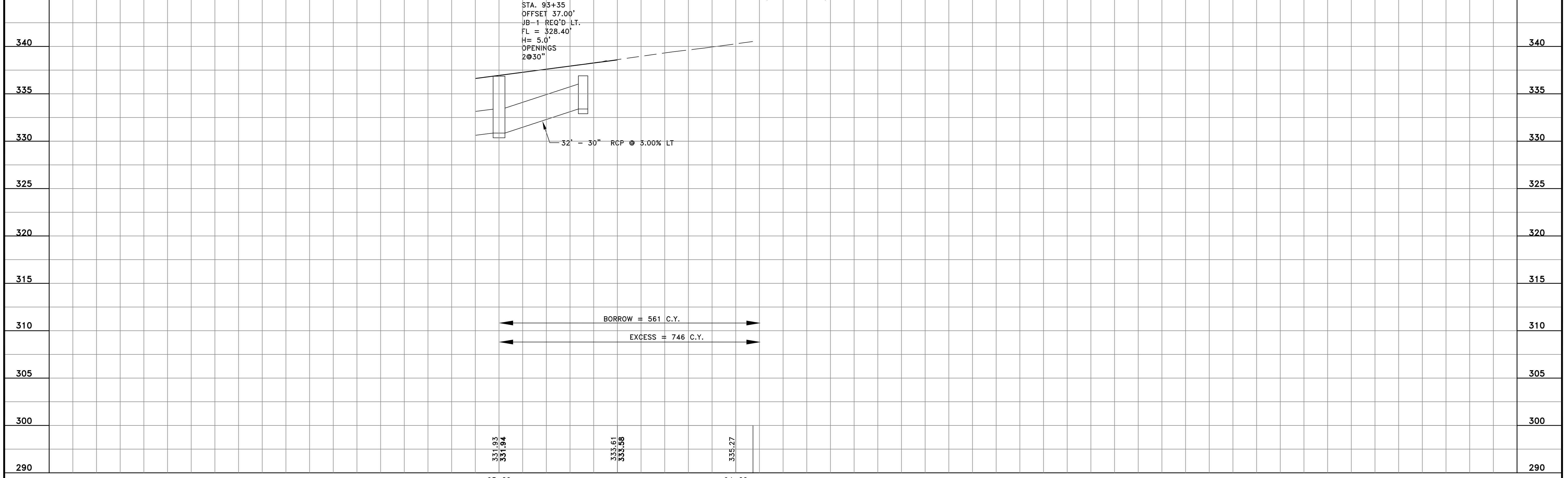
ADA REQUIREMENT: CURB-CUT RAMP
SEE STANDARD SDCCR-1, SHEET 289
CONCRETE TO BE STAMPED AND COLORED
PAID UNDER ITEM (907-608-D002)





EARTHWORK TOTAL THIS SHEET		
Cut		Cu.Yds
Fill		Cu.Yds
Excess	746	Cu.Yds
Surplus		Cu.Yds
Borrow ()	561	Cu.Yds

ADA REQUIREMENT: CURB-CUT RAMP
SEE STANDARD SDCCR-1, SHEET 289
CONCRETE TO BE STAMPED AND COLORED
PAID UNDER ITEM (907-608-0002)



BORROW = 561 C.Y.
EXCESS = 746 C.Y.

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



U.S. HWY 51
 STA: 67+09.52 (STP-1549-0(2))=
 LAKE HARBOUR DRIVE
 STA: 9+86.84 (STP-8323-00-(003))

TBM 1

END RADIUS
 STA 13+27.29
 OFFSET 28.00 R

END RADIUS
 STA 10+89.76
 OFFSET 28.00 L

R30.00'

9+86.84 10+00

U.S. HIGHWAY NO. 51

11+00

12+00

13+00

14+00

PC = 12+25.581245.18

PT = 13+28.813428.28

END RADIUS
 STA 10+77.07
 OFFSET 28.00 R

BEGIN RADIUS
 STA 11+66.64
 OFFSET 28.00 R

R15.00'

END RADIUS
 STA 11+76.68
 OFFSET 58.72 R

BEGIN RADIUS
 STA 11+44.28
 OFFSET 40.00 R

R100.00'

R2.00'

R2.00'

R50.00'

END RADIUS
 STA 12+73.29
 OFFSET 28.00 R

BEGIN RADIUS
 STA 12+45.43
 OFFSET 37.50 R

SCALE 1"=20'

DETAIL OF INTERSECTIONS
 @ STA. 9+86.84 (LHD)
 US HWY 51

NO.	DATE	REVISION	BY

PROJECT NO. STP 8323-00-(003) 104840-701000
 COUNTY: MADISON

WORKING NUMBER
 INT-1

FILENAME: _____
 DESIGN TEAM _____ CHECKED _____ DATE _____

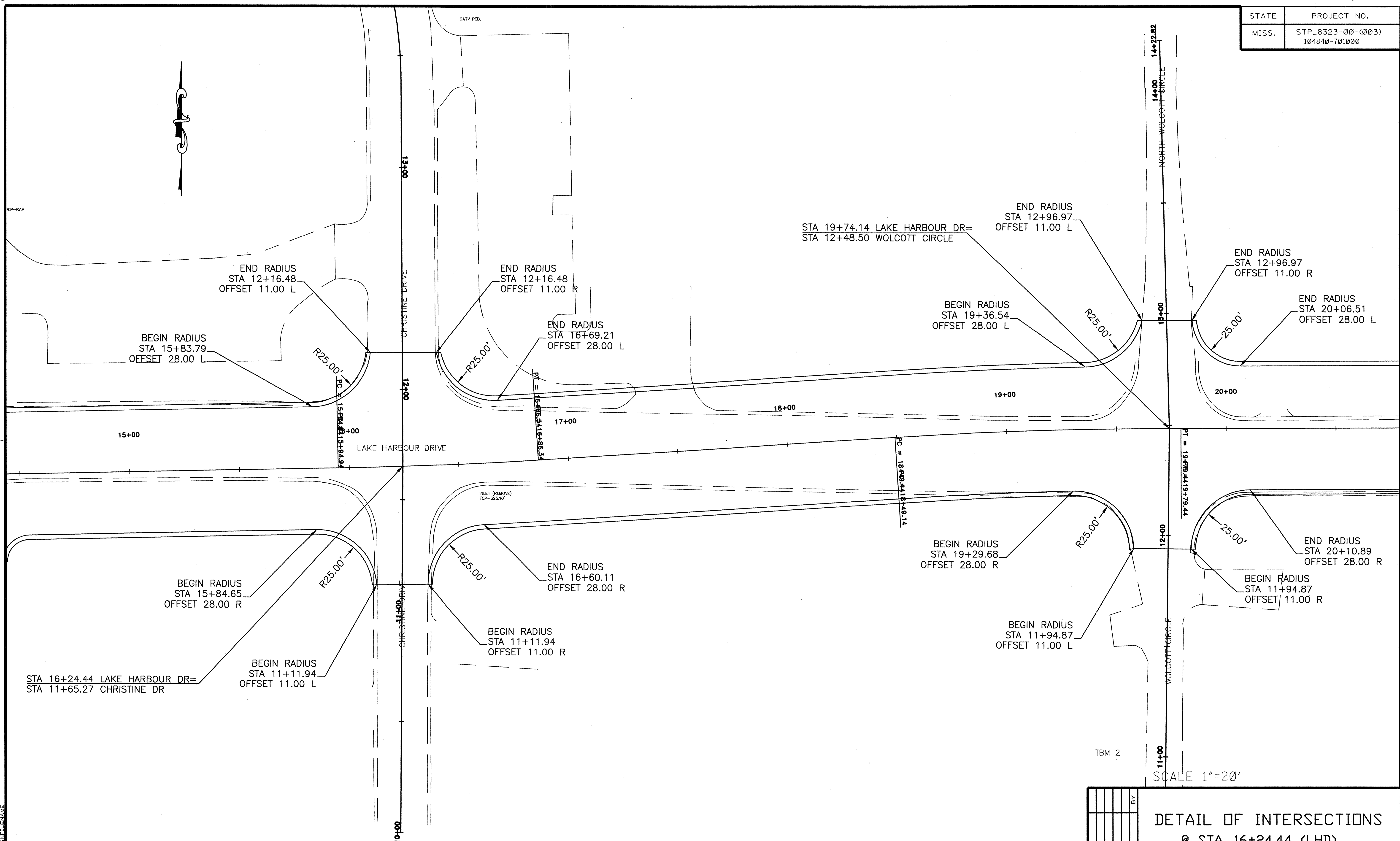
SHEET NUMBER
 40

PLAN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MDDY
 02/06/AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

PLAN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 MDDDY 02/22/20 AMPM.DGN FILENAME



TBM 2

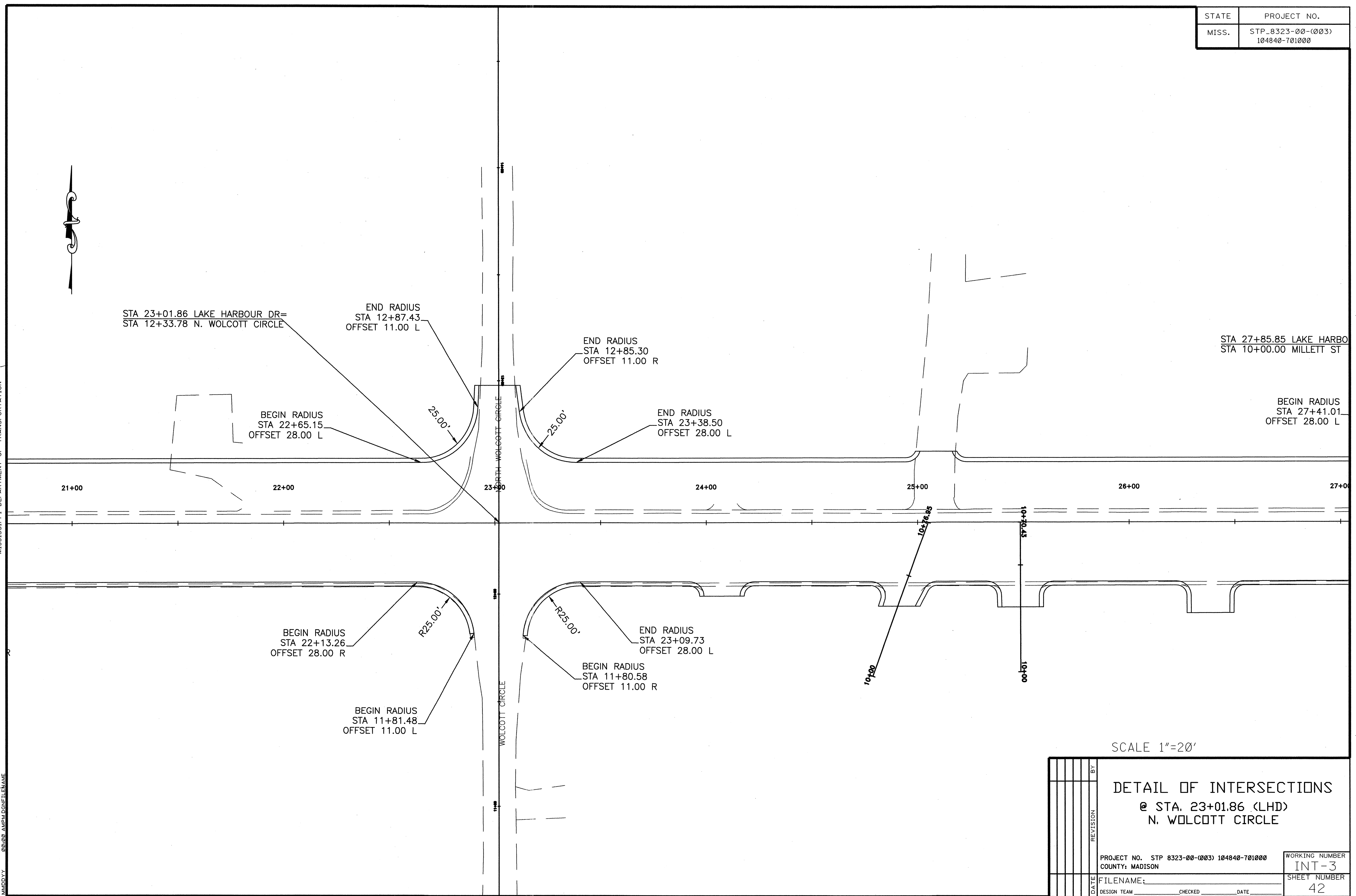
SCALE 1"=20'

REVISION BY DATE		DETAIL OF INTERSECTIONS @ STA. 16+24.44 (LHD) CHRISTINE DR @ STA. 19+74.14 (LHD) WOLCOTT CIRCLE	
PROJECT NO. STP 8323-00-(003) 104840-701000 COUNTY: MADISON		WORKING NUMBER INT-2	
FILENAME:		SHEET NUMBER 41	
DESIGN TEAM		CHECKED DATE	

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

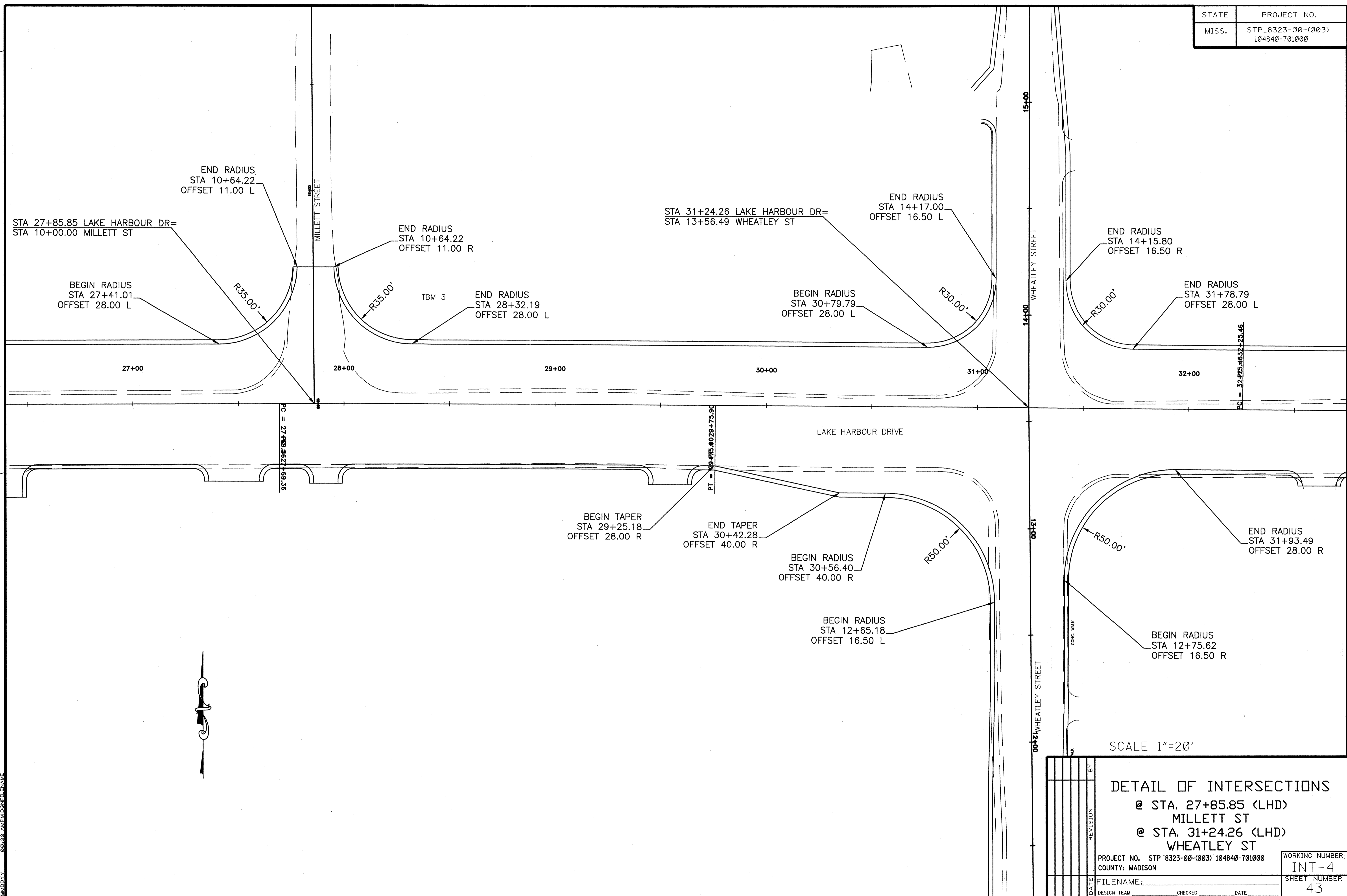


SCALE 1"=20'

PROJECT NO. STP 8323-00-(003) 104840-701000 COUNTY: MADISON		WORKING NUMBER INT-3
FILENAME: _____ DESIGN TEAM _____ CHECKED _____ DATE _____		SHEET NUMBER 42

MADDY 08/02 AMPM.DGN FILENAME

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



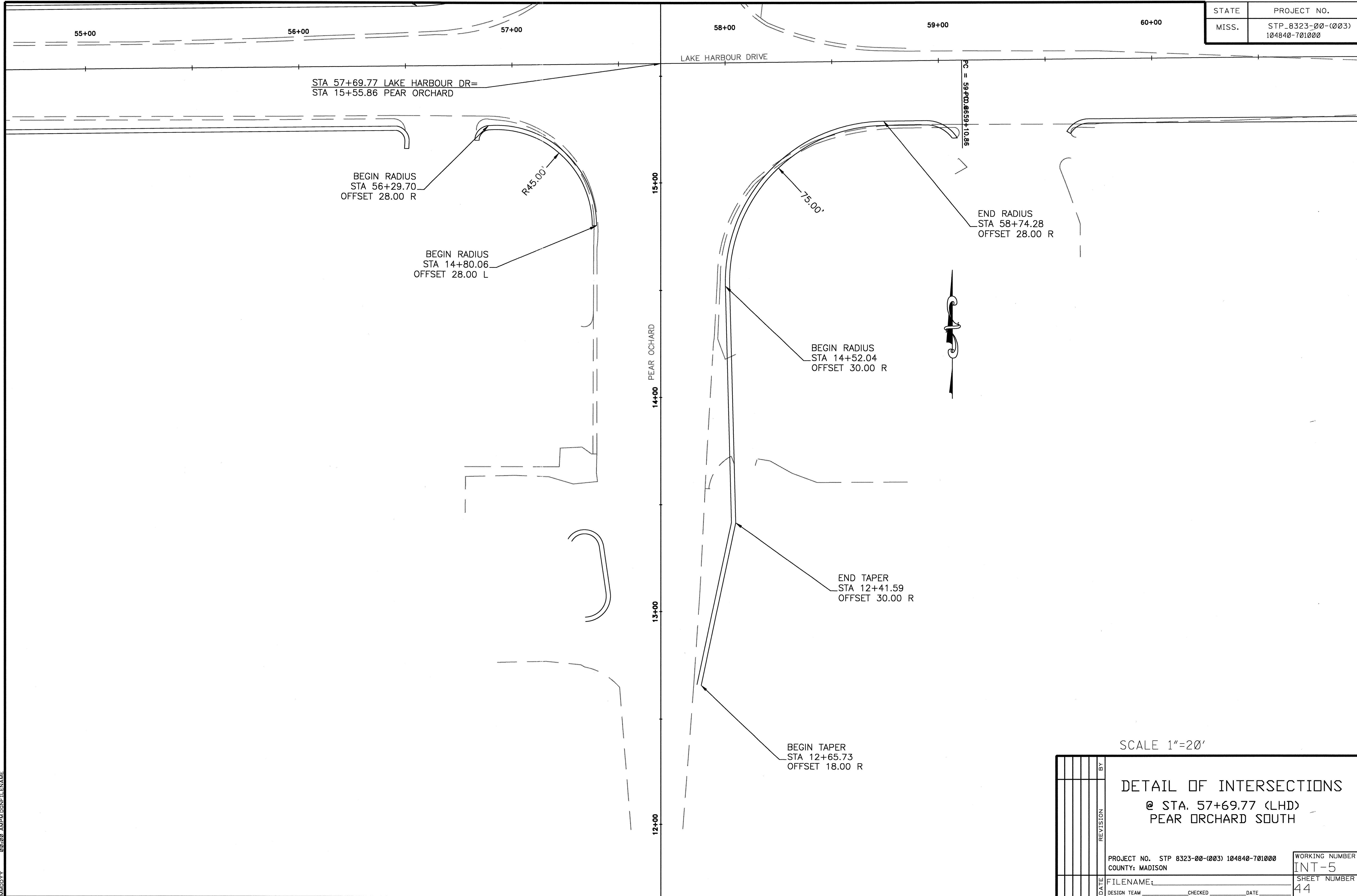
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

08/08 AMPM.DGN FILENAME
JMD:YY

SCALE 1"=20'

REVISION		BY	
DETAIL OF INTERSECTIONS			
@ STA. 27+85.85 (LHD)			
MILLETT ST			
@ STA. 31+24.26 (LHD)			
WHEATLEY ST			
PROJECT NO. STP 8323-00-(003) 104840-701000		WORKING NUMBER	
COUNTY: MADISON		INT-4	
FILENAME:		SHEET NUMBER	
DESIGN TEAM _____ CHECKED _____ DATE _____		43	

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



STA 57+69.77 LAKE HARBOUR DR=
STA 15+55.86 PEAR ORCHARD

BEGIN RADIUS
STA 56+29.70
OFFSET 28.00 R

R45.00'

BEGIN RADIUS
STA 14+80.06
OFFSET 28.00 L

15+00

14+00 PEAR ORCHARD

13+00

12+00

58+00

59+00

60+00

LAKE HARBOUR DRIVE

PC = 59+PCD.8659+10.86

75.00'

END RADIUS
STA 58+74.28
OFFSET 28.00 R

BEGIN RADIUS
STA 14+52.04
OFFSET 30.00 R

END TAPER
STA 12+41.59
OFFSET 30.00 R

BEGIN TAPER
STA 12+65.73
OFFSET 18.00 R

SCALE 1"=20'

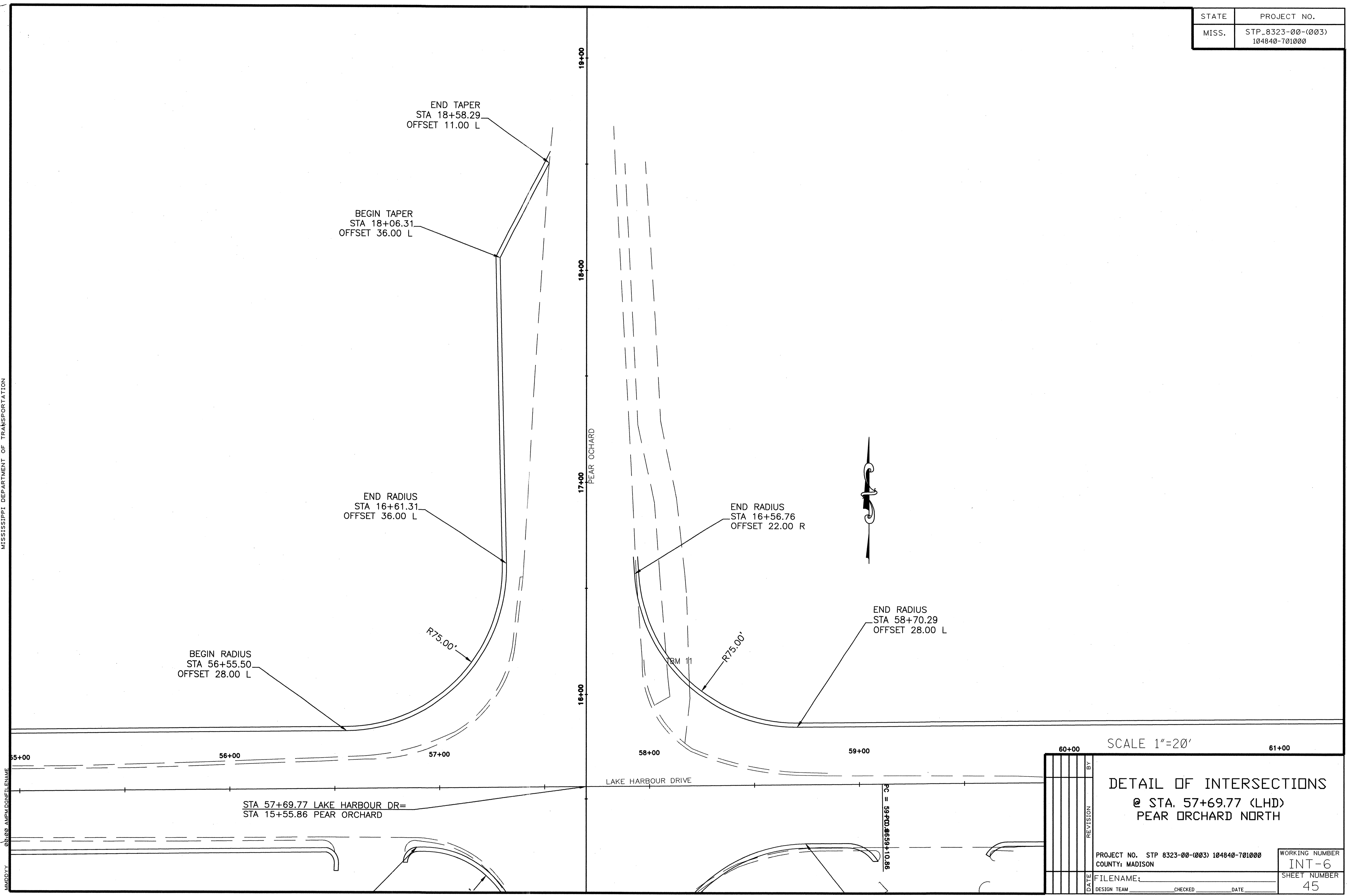
DETAIL OF INTERSECTIONS
@ STA. 57+69.77 (LHD)
PEAR ORCHARD SOUTH

REVISION	BY	DATE	DESIGN TEAM	CHECKED	DATE	PROJECT NO. STP 8323-00-(003) 104840-701000	COUNTY: MADISON	WORKING NUMBER INT-5
						FILENAME:		SHEET NUMBER 44

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
MMDDYY 00:00 AMPM DGN FILENAME

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

PLAN DIVISION
 ROADWAY DESIGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION



SCALE 1"=20'

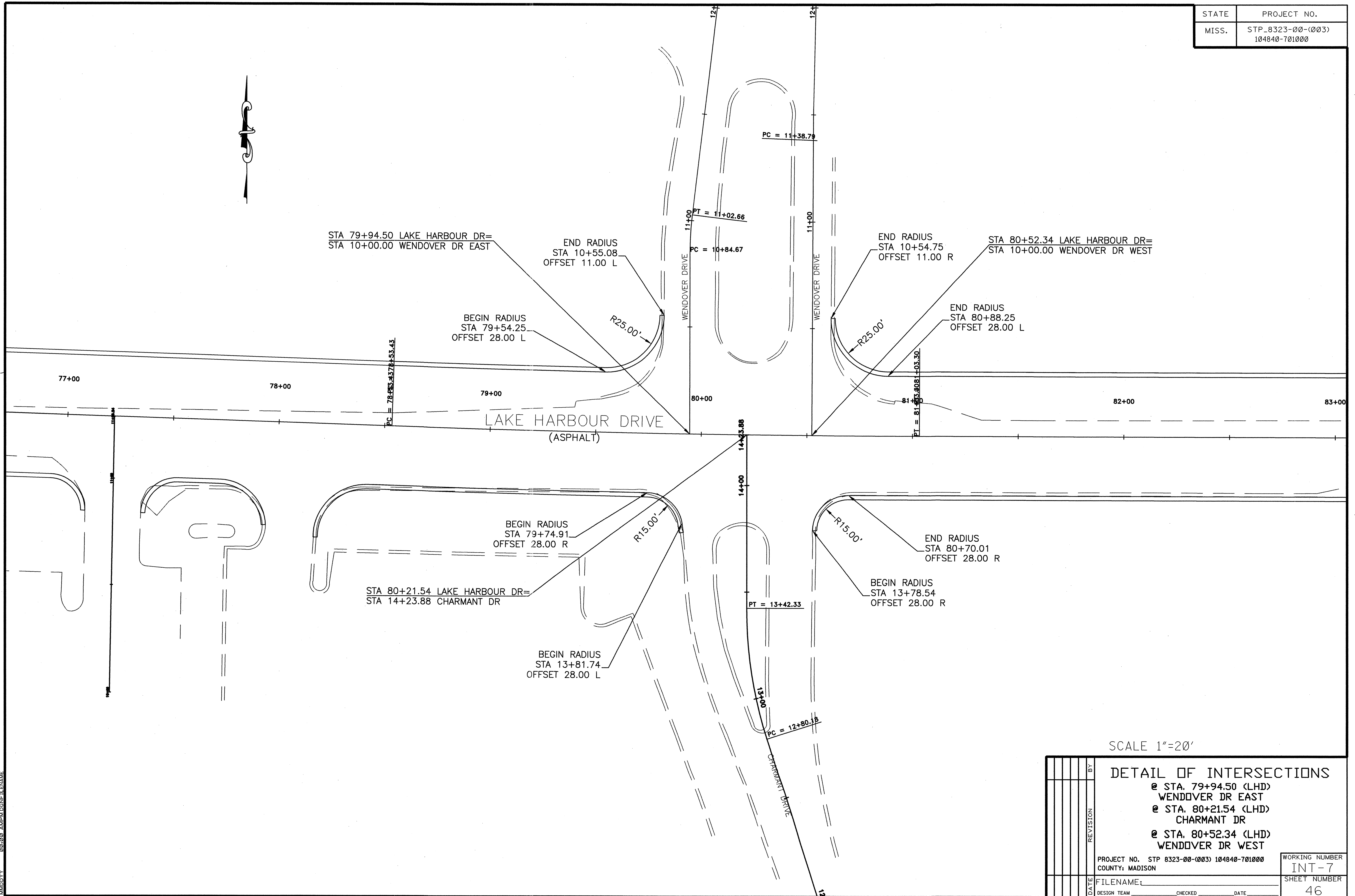
DATE	REVISION	BY

DETAIL OF INTERSECTIONS
 @ STA. 57+69.77 (LHD)
 PEAR ORCHARD NORTH

PROJECT NO. STP 8323-00-(003) 104840-701000	WORKING NUMBER INT-6
COUNTY: MADISON	SHEET NUMBER 45
FILENAME: _____	DESIGN TEAM _____
CHECKED _____	DATE _____

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

PLAN DIVISION
 ROADWAY DESIGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 09/02 AMPADGNE/LENAME
 JAMDDYY

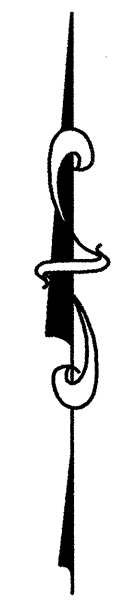


SCALE 1"=20'

NO.	DATE	REVISION	BY

DETAIL OF INTERSECTIONS	
@ STA. 79+94.50 (LHD) WENDOVER DR EAST @ STA. 80+21.54 (LHD) CHARMANT DR @ STA. 80+52.34 (LHD) WENDOVER DR WEST	
PROJECT NO. STP 8323-00-(003) 104840-701000	WORKING NUMBER INT-7
COUNTY: MADISON	SHEET NUMBER 46
FILENAME: _____	
DESIGN TEAM _____	CHECKED _____ DATE _____

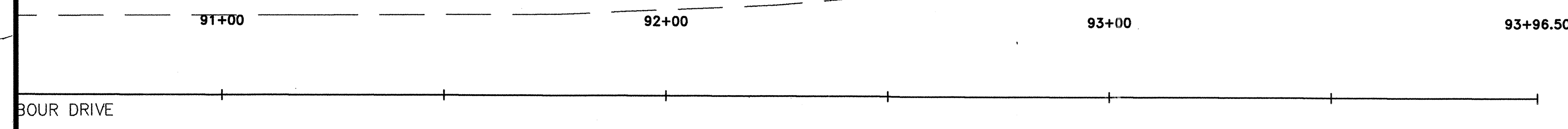
STATE	PROJECT NO.
MISS.	STP-8323-00-(003) 104840-701000



NORTH PARK DRIVE

NORTH PARK DRIVE

LAKE HARBOUR DRIVE



TIE TO EXISTING CURB
STA 92+83.11
OFFSET 28.00 R

SCALE 1"=20'

TBM 9

DATE	REVISION	BY

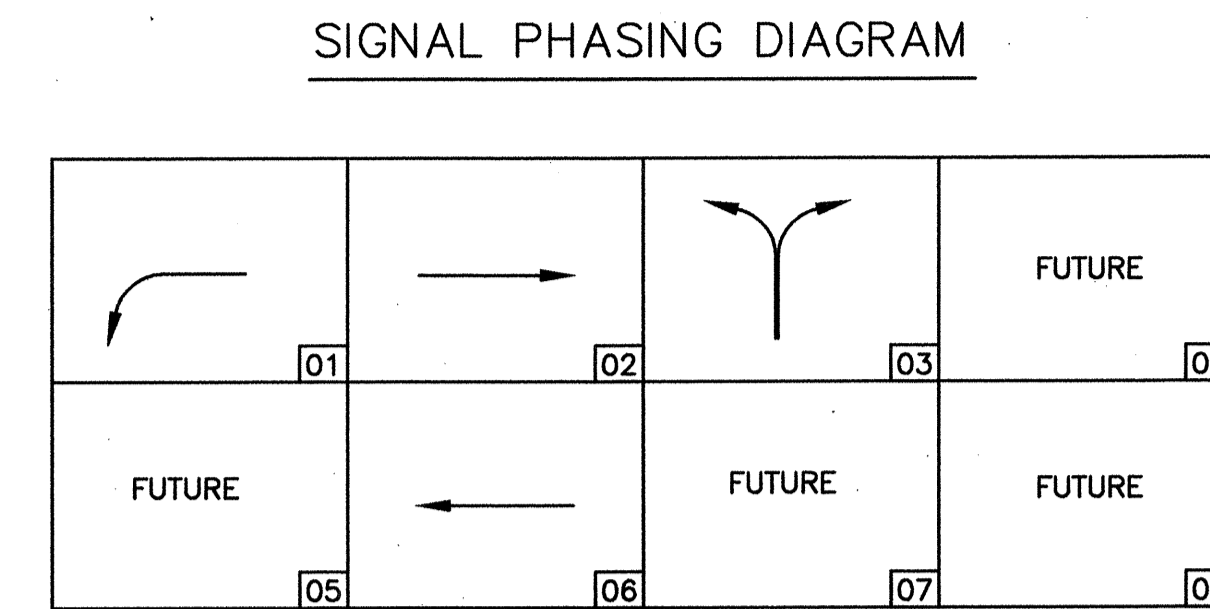
<p>PROJECT NO. STP 8323-00-(003) 104840-701000 COUNTY: MADISON</p>		<p>WORKING NUMBER INT-8</p>
<p>FILENAME: _____ DESIGN TEAM _____</p>		<p>SHEET NUMBER 47</p>

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

 MADDY
08/08 AMP/DGN/ELNAME

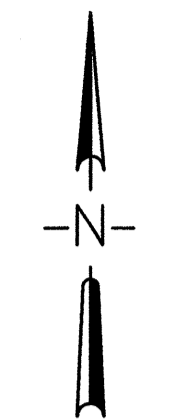
SIGNAL POLE CHART			LOCATION (FROM POLE - FT)			STREET NAME SIGN
LOCATION	SHAFT LENGTH	MAST ARM LENGTH	SIGNAL HEADS	OPTICAL DETECTOR	SIGNS	
NW QUADRANT	30'	50'	14',32',48'	39'	20'	Lake Harbour Dr.
NE QUADRANT	30'	50'	24',35'	30'	19'	Lake Harbour Dr.
SW QUADRANT	30'	55'	30',41',52'	35'	24',50'	U.S. Hwy. 51

DETECTOR LOOP CHART				
NUMBER	SIZE	TURNS	AMP-CHANNEL	COMMENTS
1	6'x 50'	2-4-2	2-1	
2A	6'x 50'	2-4-2	1-3	
2B	6'x 50'	2-4-2	1-1	
2C	6'x 6'	3	1-4	LOCATED 330' FROM STOPLINE
2D	6'x 6'	3	1-2	LOCATED 330' FROM STOPLINE
3A	6'x 6'	3	4-3	LOCATED 330' FROM STOPLINE
3B	6'x 6'	3	4-1	LOCATED 330' FROM STOPLINE
3C	6'x 50'	2-4-2	4-4	
3D	6'x 50'	2-4-2	4-2	
3E	6'x 50'	2-4-2	2-4	
5	6'x 50'	2-4-2	2-3	
6A	6'x 50'	2-4-2	3-3	
6B	6'x 50'	2-4-2	3-1	
6C	6'x 6'	3	3-4	LOCATED 330' FROM STOPLINE
6D	6'x 6'	3	3-2	LOCATED 330' FROM STOPLINE



VOLUME/DENSITY TIMING REQUIRED FOR PHASE 2 AND 6
 MINIMAL RECALL FOR REQUIRED FOR PHASES 2 AND 6
 FLASHING OPERATIONS PHASES 2 AND 6 YELLOW
 PHASES 3 AND 4 RED
 PHASES 1 AND 5 NO FLASH

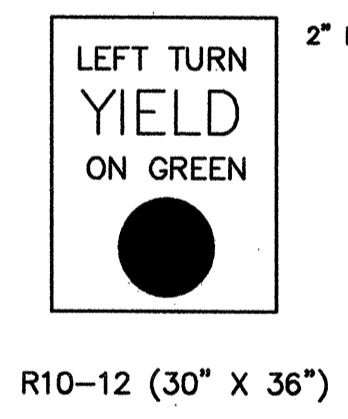
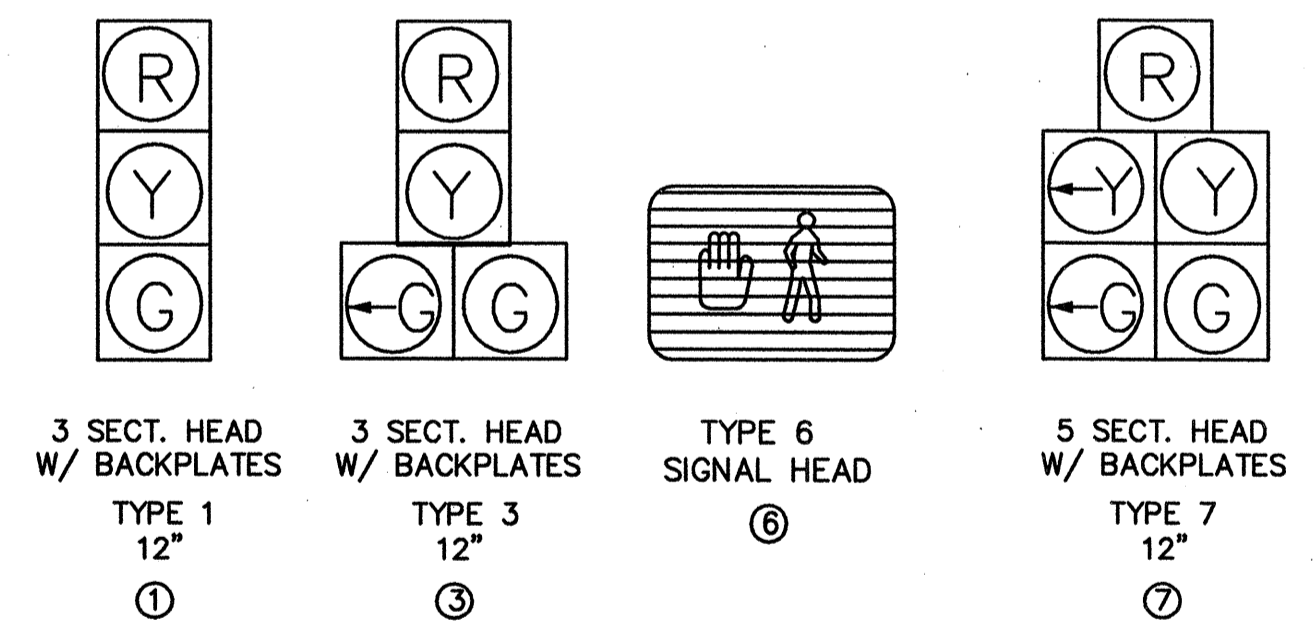
EMERGENCY VEHICLE PREEMPT: CHANNEL 1 = PHASE 1 & 6
 CHANNEL 2 = PHASE 2 & 5
 CHANNEL 3 = PHASE 3
 CHANNEL 4 = FUTURE



PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MAUDY OC.CO AMPM.DGNFILENAME

SIGNAL HEADS & SIGNS

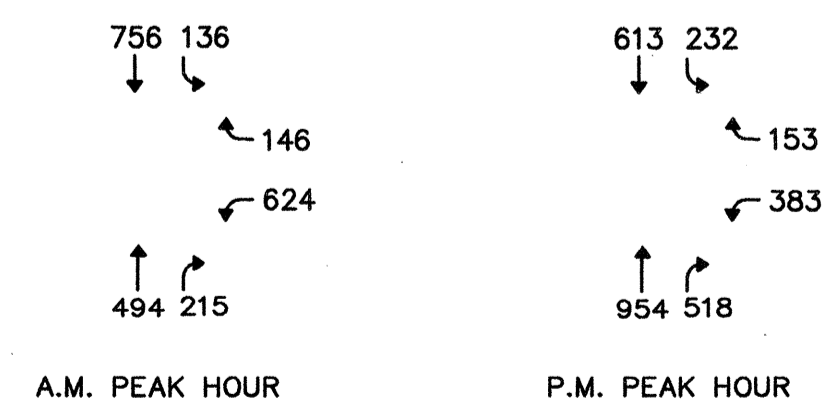


R10-12 (30" X 36")

LEGEND

- NEW MAST ARM POLE
- TRAFFIC/PEDESTRIAN SIGNAL HEAD
- OVERHEAD SIGN / STREET NAME SIGN
- 2/c 2 CONDUCTOR SIGNAL CABLE
- 4/c 4 CONDUCTOR SIGNAL CABLE
- 5/c 5 CONDUCTOR SIGNAL CABLE
- 7/c 7 CONDUCTOR SIGNAL CABLE
- EMERGENCY VEHICLE DETECTOR
- CONTROLLER AND CABINET
- TYPE 1 PULLBOX
- TYPE 2 PULLBOX
- TYPE 3 PULLBOX
- VEHICLE LOOP DETECTOR
- CONDUIT RUN
- S.C. SHIELDED CABLE
- P.B. PEDESTRIAN PUSHBUTTON
- O.D.C. OPTICAL DETECTOR CABLE
- O.D. OPTICAL DETECTOR

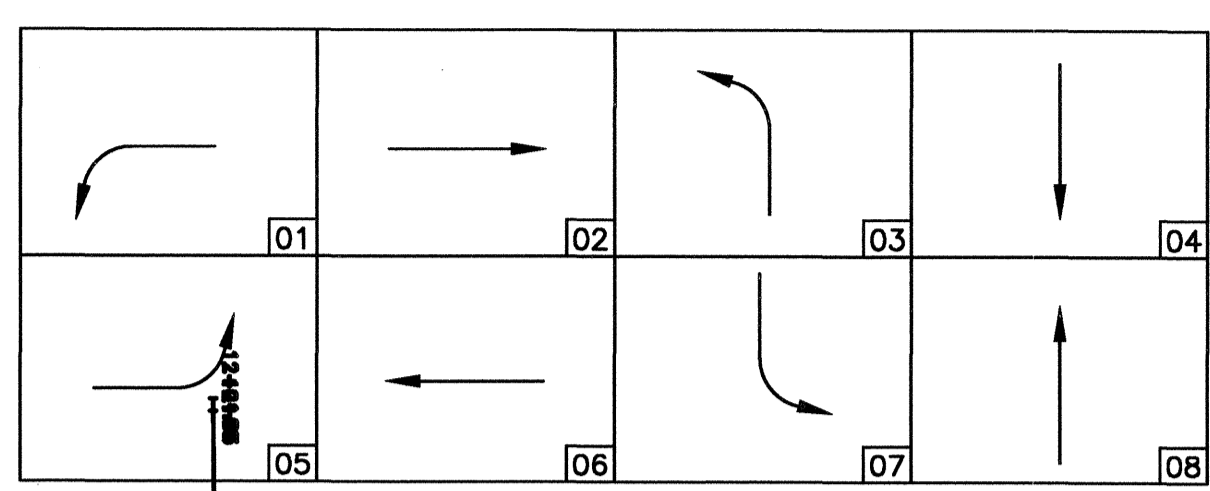
TURNING MOVEMENT COUNTS (2006)



SCALE 1"=30'

TRAFFIC SIGNAL IMPROVEMENTS LAKE HARBOUR DRIVE AT US HWY 51	
PROJECT NO. STP 8323-00-(003) 104840-701000 COUNTY: MADISON	WORKING NUMBER TSI-1 SHEET NUMBER 48
FILENAME: _____ DESIGN TEAM _____ CHECKED _____ DATE _____	

SIGNAL PHASING DIAGRAM



VOLUME/DENSITY TIMING REQUIRED FOR PHASE 2 AND 6
 MINIMAL RECALL FOR REQUIRED FOR PHASES 2 AND 6
 FLASHING OPERATIONS PHASES 2 AND 6 YELLOW
 PHASES 4 AND 8 RED
 PHASES 1, 3, 5 AND 7 NO FLASH

EMERGENCY VEHICLE PREEMPT: CHANNEL 1 = PHASE 2 & 5
 CHANNEL 2 = PHASE 1 & 6
 CHANNEL 3 = PHASE 4 & 7
 CHANNEL 4 = PHASE 3 & 8

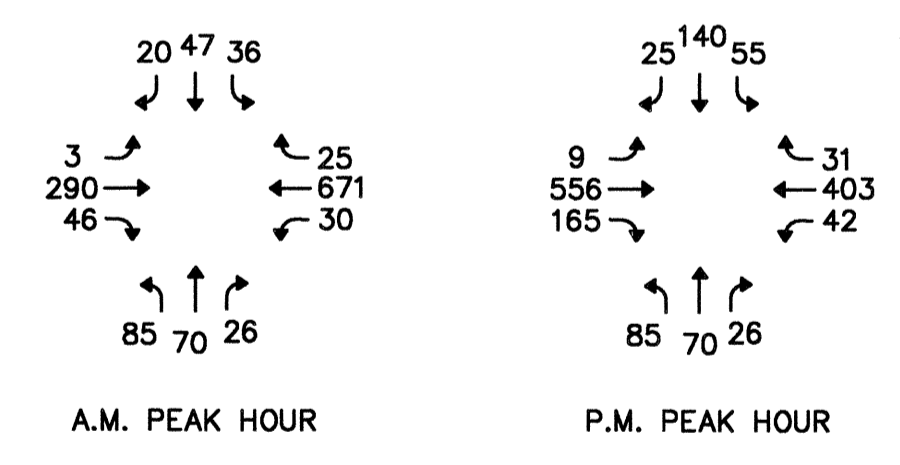
SIGNAL POLE CHART			LOCATION (FROM POLE - FT)			STREET NAME SIGN
LOCATION	SHAFT LENGTH	MAST ARM LENGTH	SIGNAL HEADS	OPTICAL DETECTOR	SIGNS	
NW QUADRANT	30'	50'	23',34',46"	28'	18',44'	Wheatley St.
NE QUADRANT	30'	35'	20',32'	25'	14',30'	Lake Harbour Dr.
SE QUADRANT	30'	50'	25',36',48"	30'	20',46'	Wheatley St.
SW QUADRANT	30'	40'	24',38'	31'	19',36'	Lake Harbour Dr.

DETECTOR LOOP CHART				
NUMBER	SIZE	TURNS	AMP-CHANNEL	COMMENTS
1	6'x 50'	2-4-2	2-1	
2A	6'x 6'	3	1-3	LOCATED 330' FROM STOPLINE
2B	6'x 6'	3	1-1	LOCATED 330' FROM STOPLINE
2C	6'x 50'	2-4-2	1-4	
2D	6'x 50'	2-4-2	1-2	
2E	6'x 50'	2-4-2	2-4	
3	6'x 50'	2-4-2	4-4	
4	6'x 50'	2-4-2	4-3	
5	6'x 50'	2-4-2	2-3	
6A	6'x 6'	3	3-3	LOCATED 330' FROM STOPLINE
6B	6'x 6'	3	3-1	LOCATED 330' FROM STOPLINE
6C	6'x 50'	2-4-2	3-4	
6D	6'x 50'	2-4-2	3-2	
7	6'x 50'	2-4-2	4-1	
8	6'x 50'	2-4-2	4-2	

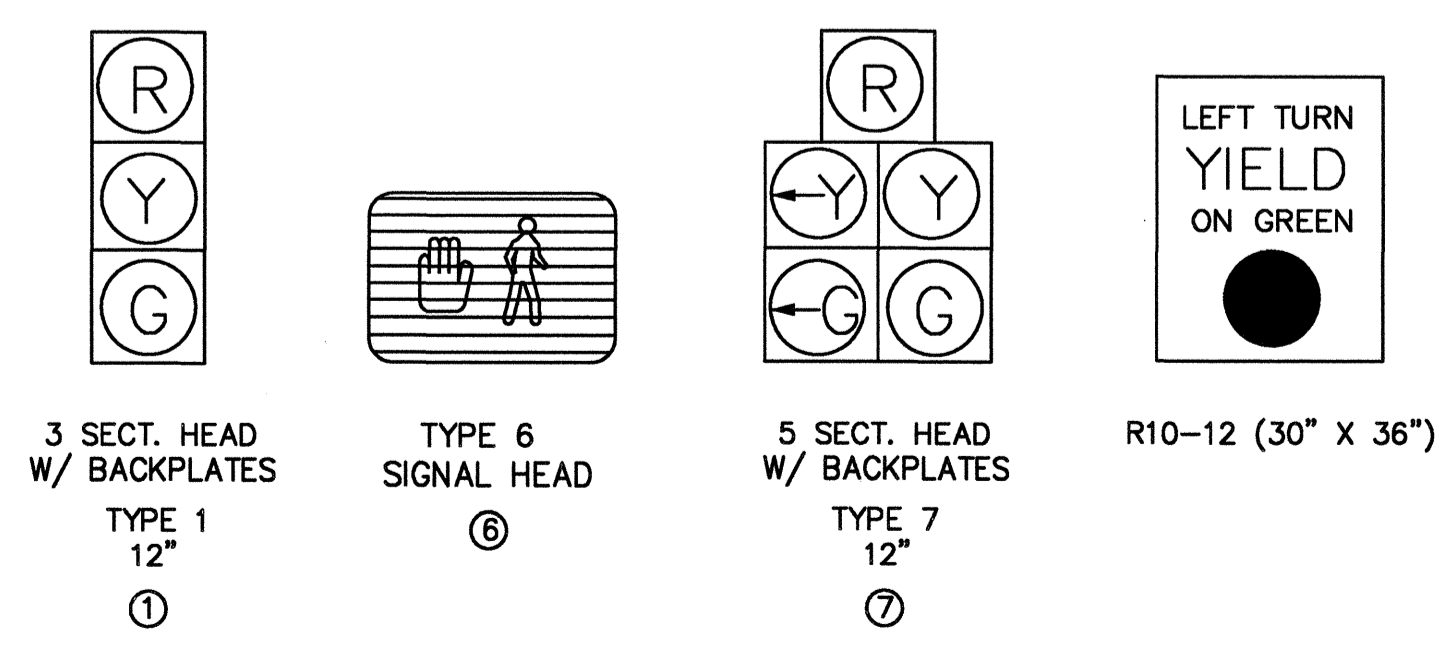
PLAN, DESIGN, DIVISION, MISSISSIPPI DEPARTMENT OF TRANSPORTATION

06/09 AMPM DONLENAME MUDDY

TURNING MOVEMENT COUNTS (2006)



SIGNAL HEADS & SIGNS



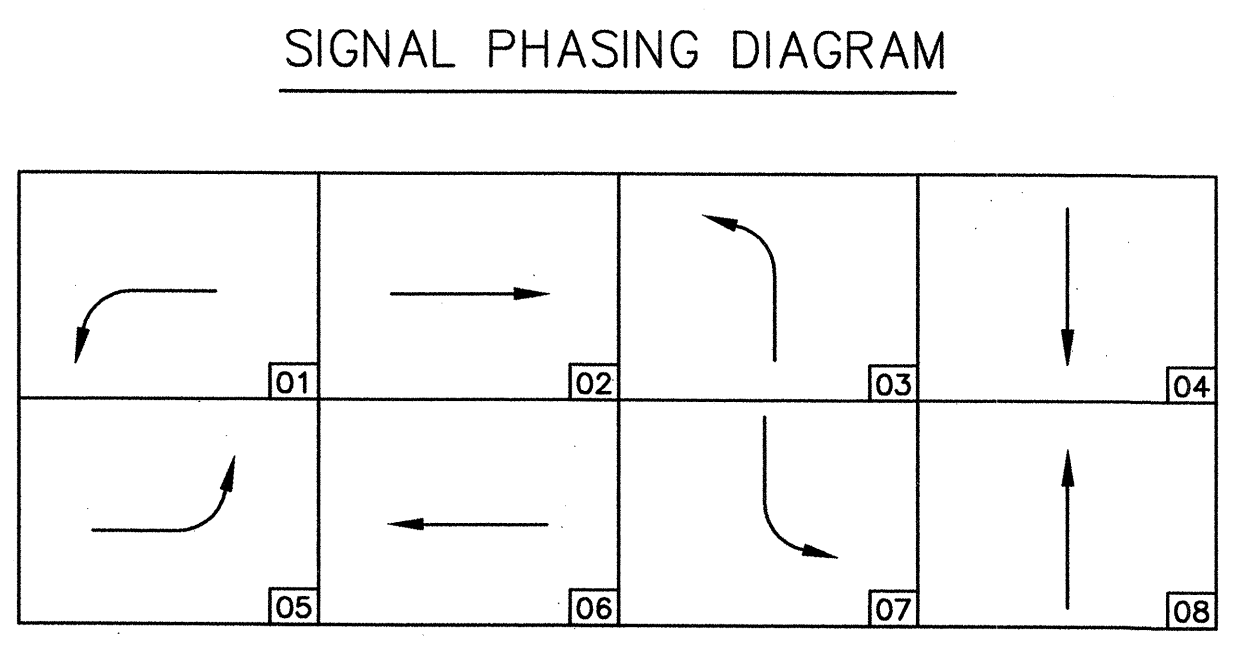
LEGEND

- NEW MAST ARM POLE
- +— TRAFFIC/PEDESTRIAN SIGNAL HEAD
- OR — OVERHEAD SIGN / STREET NAME SIGN
- 2/c 2 CONDUCTOR SIGNAL CABLE
- 4/c 4 CONDUCTOR SIGNAL CABLE
- 5/c 5 CONDUCTOR SIGNAL CABLE
- 7/c 7 CONDUCTOR SIGNAL CABLE
- EMERGENCY VEHICLE DETECTOR
- CONTROLLER AND CABINET
- TYPE 1 PULLBOX
- TYPE 2 PULLBOX
- TYPE 3 PULLBOX
- VEHICLE LOOP DETECTOR
- CONDUIT RUN
- S.C. SHIELDED CABLE
- P.B. PEDESTRIAN PUSHBUTTON
- O.D.C. OPTICAL DETECTOR CABLE
- O.D. OPTICAL DETECTOR

SCALE 1"=30'

TRAFFIC SIGNAL IMPROVEMENTS LAKE HARBOUR DRIVE AT WHEATLEY STREET	
PROJECT NO. STP 8323-00-(003) 104840-701000	WORKING NUMBER TSI-2
COUNTY: MADISON	SHEET NUMBER 49
FILENAME:	DATE
DESIGN TEAM	CHECKED DATE

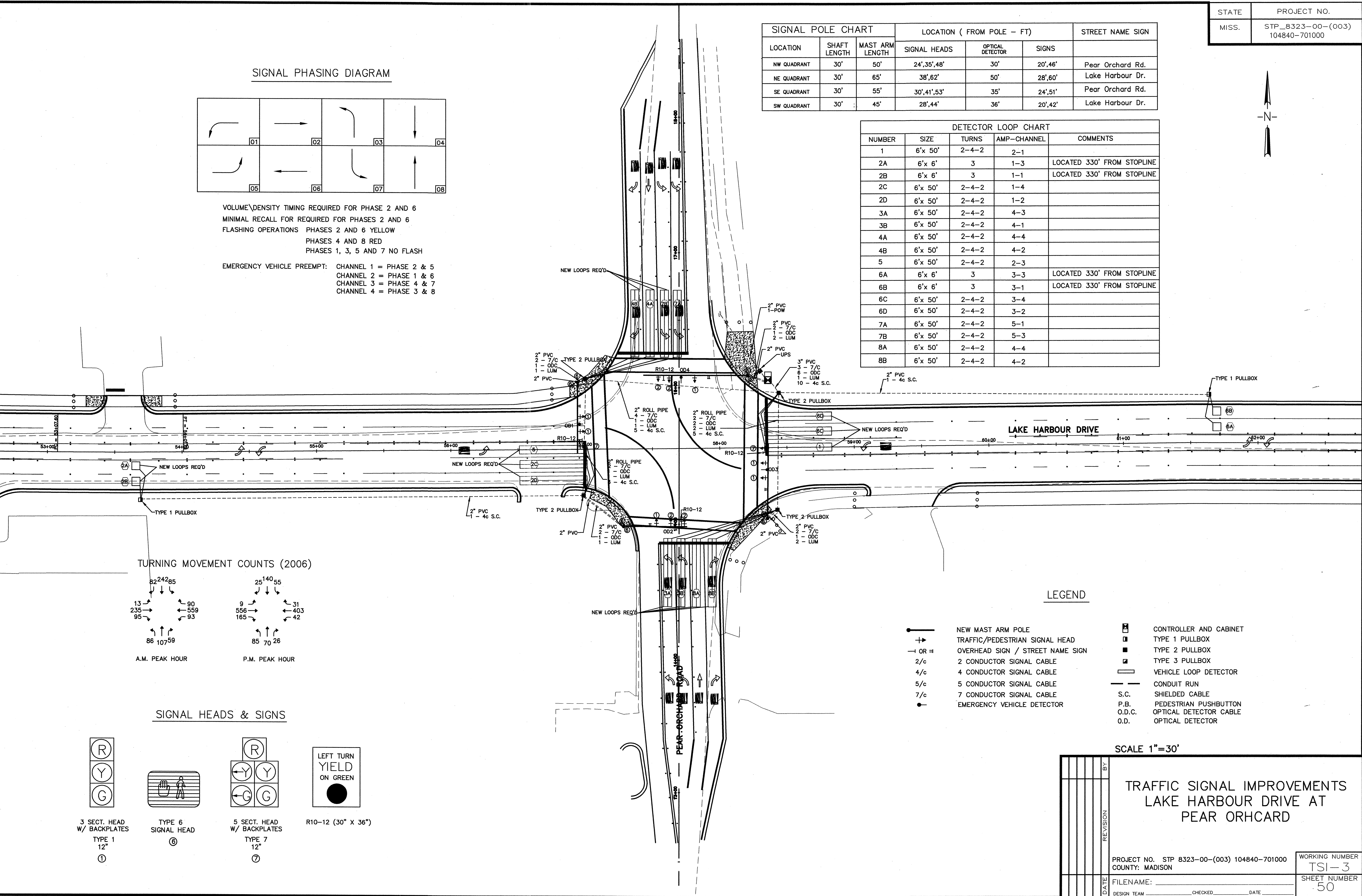
SIGNAL POLE CHART			LOCATION (FROM POLE - FT)			STREET NAME SIGN
LOCATION	SHAFT LENGTH	MAST ARM LENGTH	SIGNAL HEADS	OPTICAL DETECTOR	SIGNS	
NW QUADRANT	30'	50'	24',35',48'	30'	20',46'	Pear Orchard Rd.
NE QUADRANT	30'	65'	38',62'	50'	28',60'	Lake Harbour Dr.
SE QUADRANT	30'	55'	30',41',53'	35'	24',51'	Pear Orchard Rd.
SW QUADRANT	30'	45'	28',44'	36'	20',42'	Lake Harbour Dr.



VOLUME/DENSITY TIMING REQUIRED FOR PHASE 2 AND 6
 MINIMAL RECALL FOR REQUIRED FOR PHASES 2 AND 6
 FLASHING OPERATIONS PHASES 2 AND 6 YELLOW
 PHASES 4 AND 8 RED
 PHASES 1, 3, 5 AND 7 NO FLASH
 EMERGENCY VEHICLE PREEMPT: CHANNEL 1 = PHASE 2 & 5
 CHANNEL 2 = PHASE 1 & 6
 CHANNEL 3 = PHASE 4 & 7
 CHANNEL 4 = PHASE 3 & 8

DETECTOR LOOP CHART				
NUMBER	SIZE	TURNS	AMP-CHANNEL	COMMENTS
1	6'x 50'	2-4-2	2-1	
2A	6'x 6'	3	1-3	LOCATED 330' FROM STOPLINE
2B	6'x 6'	3	1-1	LOCATED 330' FROM STOPLINE
2C	6'x 50'	2-4-2	1-4	
2D	6'x 50'	2-4-2	1-2	
3A	6'x 50'	2-4-2	4-3	
3B	6'x 50'	2-4-2	4-1	
4A	6'x 50'	2-4-2	4-4	
4B	6'x 50'	2-4-2	4-2	
5	6'x 50'	2-4-2	2-3	
6A	6'x 6'	3	3-3	LOCATED 330' FROM STOPLINE
6B	6'x 6'	3	3-1	LOCATED 330' FROM STOPLINE
6C	6'x 50'	2-4-2	3-4	
6D	6'x 50'	2-4-2	3-2	
7A	6'x 50'	2-4-2	5-1	
7B	6'x 50'	2-4-2	5-3	
8A	6'x 50'	2-4-2	4-4	
8B	6'x 50'	2-4-2	4-2	

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

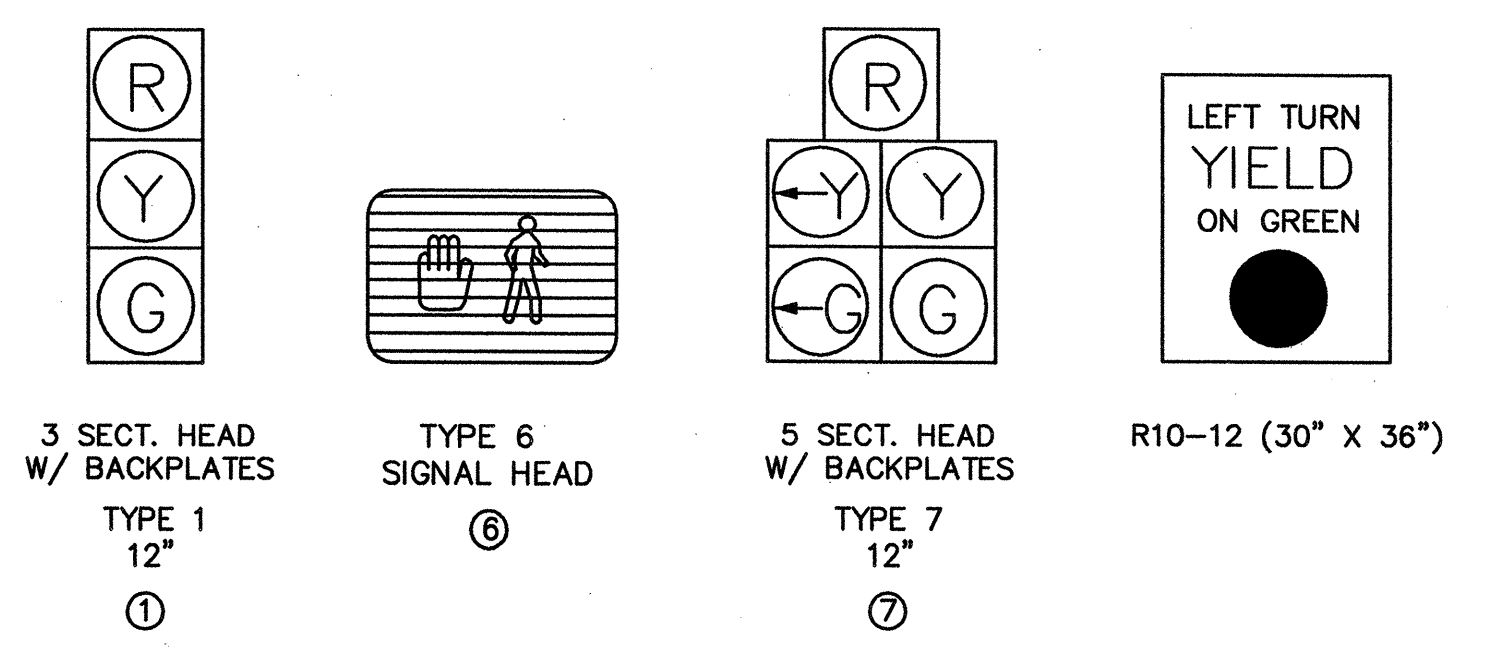


TURNING MOVEMENT COUNTS (2006)

82	242	85	25	140	55
13	90	95	9	31	403
235	559	93	165	42	
86	107	59	85	70	26

A.M. PEAK HOUR P.M. PEAK HOUR

SIGNAL HEADS & SIGNS



LEGEND

- NEW MAST ARM POLE
- +— TRAFFIC/PEDESTRIAN SIGNAL HEAD
- OR — OVERHEAD SIGN / STREET NAME SIGN
- 2/c 2 CONDUCTOR SIGNAL CABLE
- 4/c 4 CONDUCTOR SIGNAL CABLE
- 5/c 5 CONDUCTOR SIGNAL CABLE
- 7/c 7 CONDUCTOR SIGNAL CABLE
- EMERGENCY VEHICLE DETECTOR
- ☐ CONTROLLER AND CABINET
- TYPE 1 PULLBOX
- TYPE 2 PULLBOX
- ▣ TYPE 3 PULLBOX
- ▭ VEHICLE LOOP DETECTOR
- CONDUIT RUN
- S.C. SHIELDED CABLE
- P.B. PEDESTRIAN PUSHBUTTON
- O.D.C. OPTICAL DETECTOR CABLE
- O.D. OPTICAL DETECTOR

SCALE 1"=30'

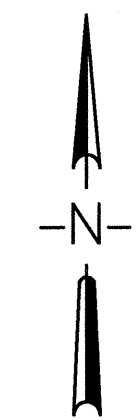
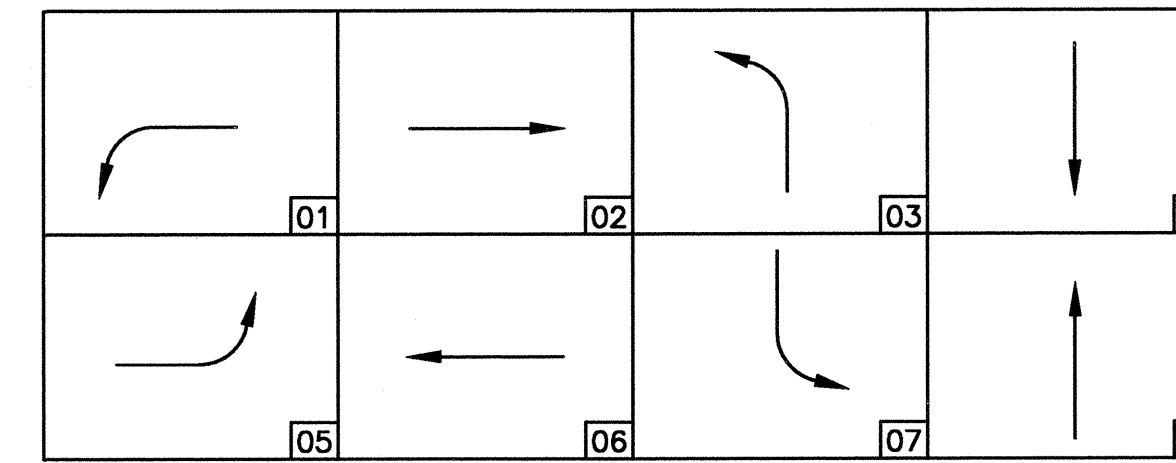
**TRAFFIC SIGNAL IMPROVEMENTS
LAKE HARBOUR DRIVE AT
PEAR ORHCARD**

PROJECT NO.	STP 8323-00-(003) 104840-701000	WORKING NUMBER	TSI-3
COUNTY:	MADISON	SHEET NUMBER	50
FILENAME:		DATE:	
DESIGN TEAM:		CHECKED:	

SIGNAL POLE CHART			LOCATION (FROM POLE - FT)			STREET NAME SIGN
LOCATION	SHAFT LENGTH	MAST ARM LENGTH	SIGNAL HEADS	OPTICAL DETECTOR	SIGNS	
NW QUADRANT	30'	40'	14',26',38'	20'	10',32'	Charmont Drive Wendover Drive
SE QUADRANT	30'	55'	28',40',52'	34'	20',48'	Charmont Drive Wendover Drive

DETECTOR LOOP CHART				
NUMBER	SIZE	TURNS	AMP-CHANNEL	COMMENTS
1	6'x 50'	2-4-2	2-1	
2A	6'x 6'	3	1-3	LOCATED 330' FROM STOPLINE
2B	6'x 6'	3	1-1	LOCATED 330' FROM STOPLINE
2C	6'x 50'	2-4-2	1-4	
2D	6'x 50'	2-4-2	1-2	
3A	6'x 50'	2-4-2	4-4	
3B	6'x 50'	2-4-2	4-2	
4A	6'x 50'	2-4-2	4-3	
4B	6'x 50'	2-4-2	4-1	
5	6'x 50'	2-4-2	2-3	
6A	6'x 6'	3	3-3	LOCATED 330' FROM STOPLINE
6B	6'x 6'	3	3-1	LOCATED 330' FROM STOPLINE
6C	6'x 50'	2-4-2	3-4	
6D	6'x 50'	2-4-2	3-2	

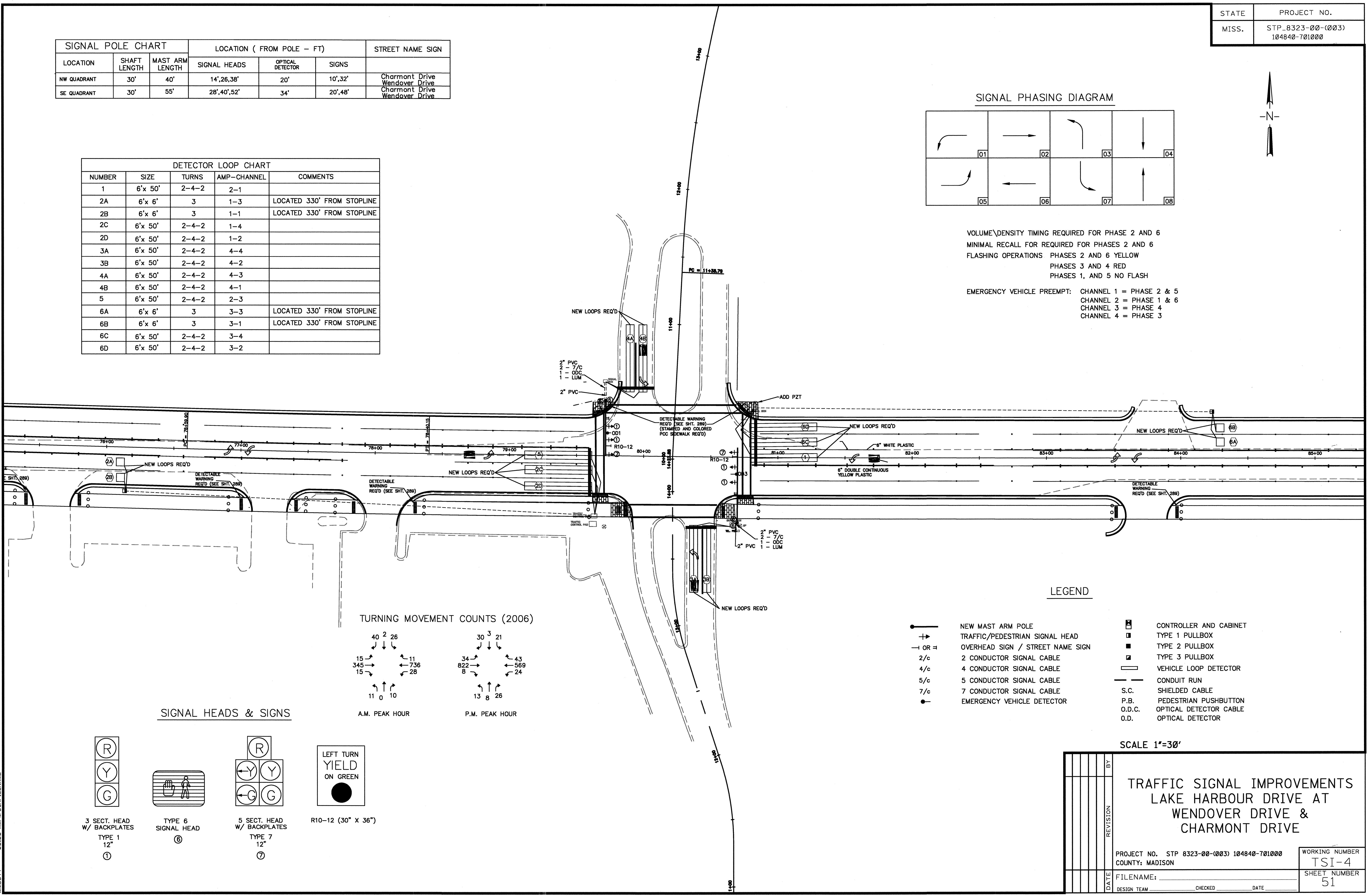
SIGNAL PHASING DIAGRAM



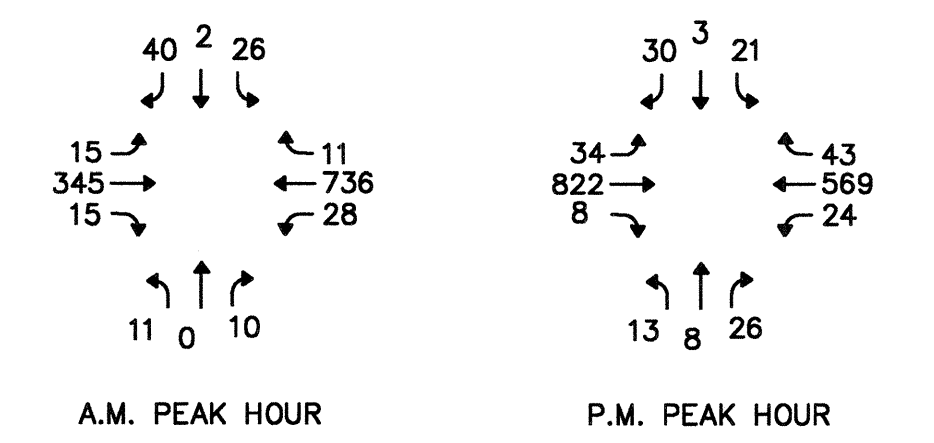
VOLUME/DENSITY TIMING REQUIRED FOR PHASE 2 AND 6
 MINIMAL RECALL FOR REQUIRED FOR PHASES 2 AND 6
 FLASHING OPERATIONS PHASES 2 AND 6 YELLOW
 PHASES 3 AND 4 RED
 PHASES 1, AND 5 NO FLASH

EMERGENCY VEHICLE PREEMPT: CHANNEL 1 = PHASE 2 & 5
 CHANNEL 2 = PHASE 1 & 6
 CHANNEL 3 = PHASE 4
 CHANNEL 4 = PHASE 3

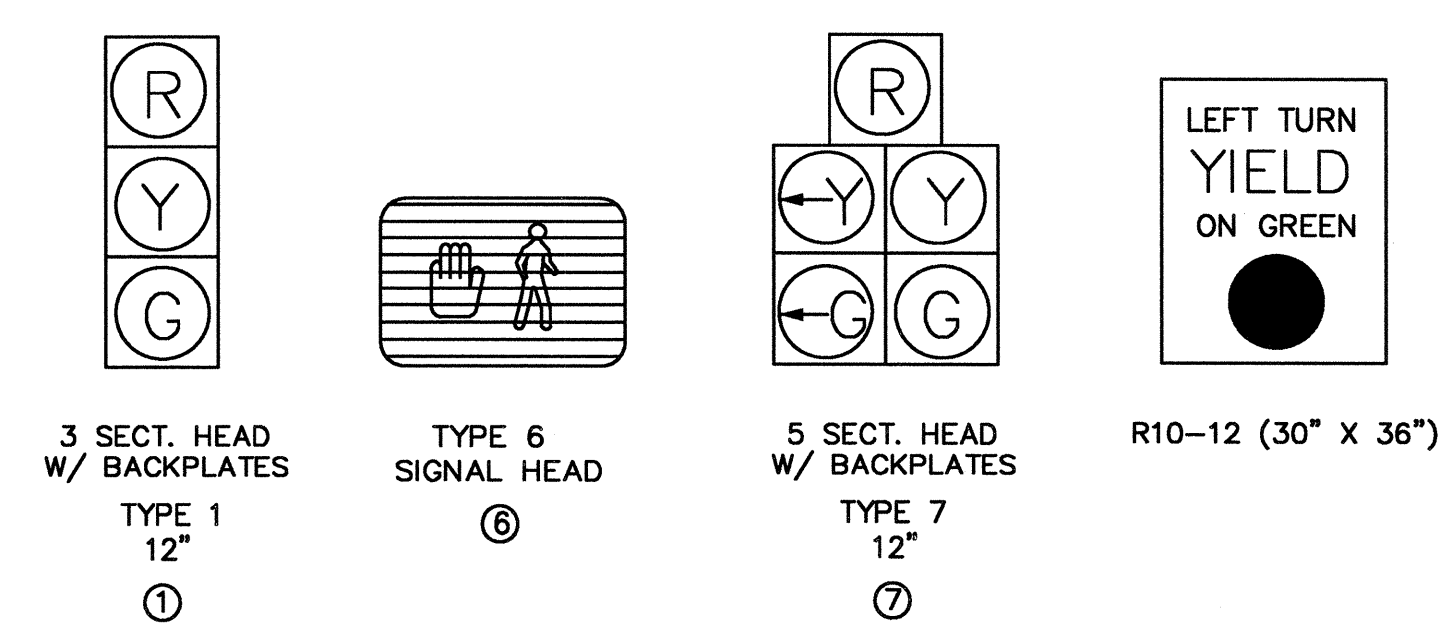
PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION MDDDY 06/08 AMPM.DGN/LENNAME



TURNING MOVEMENT COUNTS (2006)



SIGNAL HEADS & SIGNS



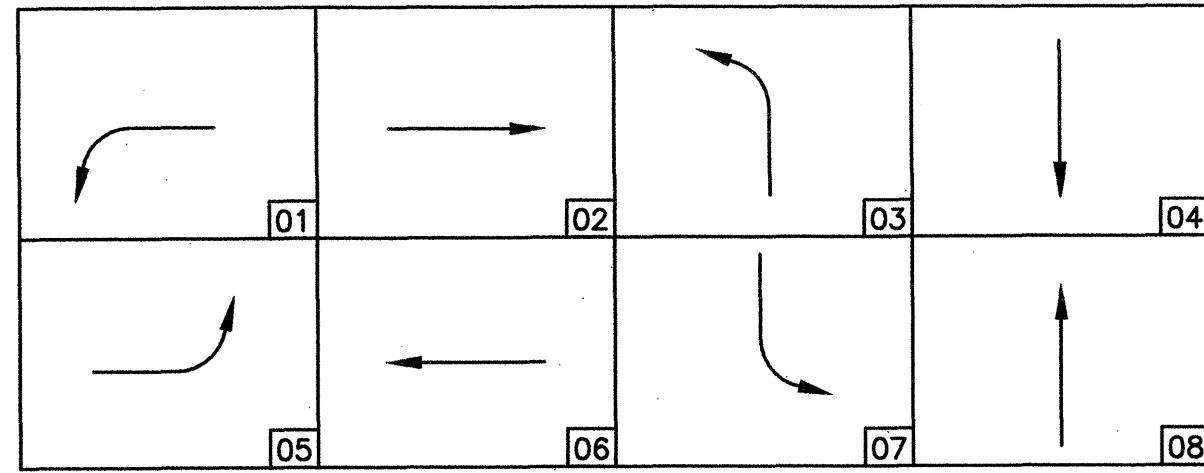
LEGEND

- NEW MAST ARM POLE
- TRAFFIC/PEDESTRIAN SIGNAL HEAD
- OR — OVERHEAD SIGN / STREET NAME SIGN
- 2/c 2 CONDUCTOR SIGNAL CABLE
- 4/c 4 CONDUCTOR SIGNAL CABLE
- 5/c 5 CONDUCTOR SIGNAL CABLE
- 7/c 7 CONDUCTOR SIGNAL CABLE
- EMERGENCY VEHICLE DETECTOR
- ☐ CONTROLLER AND CABINET
- TYPE 1 PULLBOX
- TYPE 2 PULLBOX
- ▣ TYPE 3 PULLBOX
- ▭ VEHICLE LOOP DETECTOR
- CONDUIT RUN
- S.C. SHIELDED CABLE
- P.B. PEDESTRIAN PUSHBUTTON
- O.D.C. OPTICAL DETECTOR CABLE
- O.D. OPTICAL DETECTOR

SCALE 1"=30'

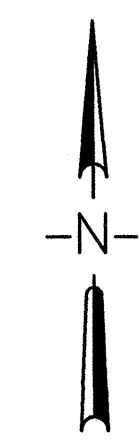
<p>TRAFFIC SIGNAL IMPROVEMENTS LAKE HARBOUR DRIVE AT WENDOVER DRIVE & CHARMONT DRIVE</p>	
<p>PROJECT NO. STP 8323-00-(003) 104840-701000 COUNTY: MADISON</p>	<p>WORKING NUMBER TSI-4 SHEET NUMBER 51</p>
<p>DATE: _____ DESIGN TEAM: _____ CHECKED: _____ DATE: _____</p>	<p>FILENAME: _____</p>

SIGNAL PHASING DIAGRAM

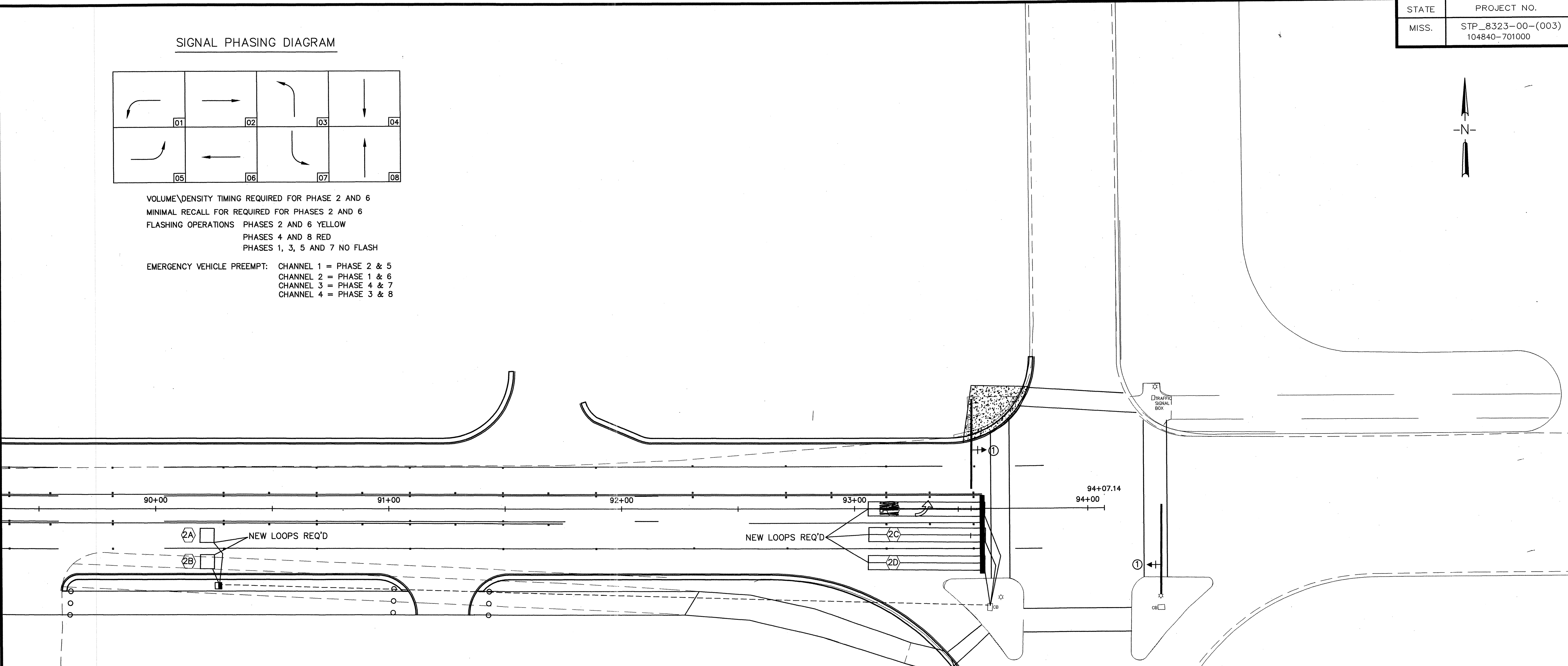


VOLUME/DENSITY TIMING REQUIRED FOR PHASE 2 AND 6
 MINIMAL RECALL FOR REQUIRED FOR PHASES 2 AND 6
 FLASHING OPERATIONS PHASES 2 AND 6 YELLOW
 PHASES 4 AND 8 RED
 PHASES 1, 3, 5 AND 7 NO FLASH

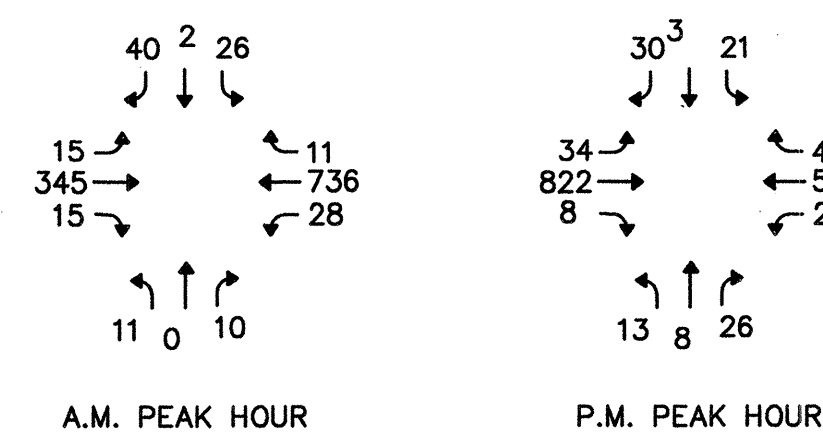
EMERGENCY VEHICLE PREEMPT: CHANNEL 1 = PHASE 2 & 5
 CHANNEL 2 = PHASE 1 & 6
 CHANNEL 3 = PHASE 4 & 7
 CHANNEL 4 = PHASE 3 & 8



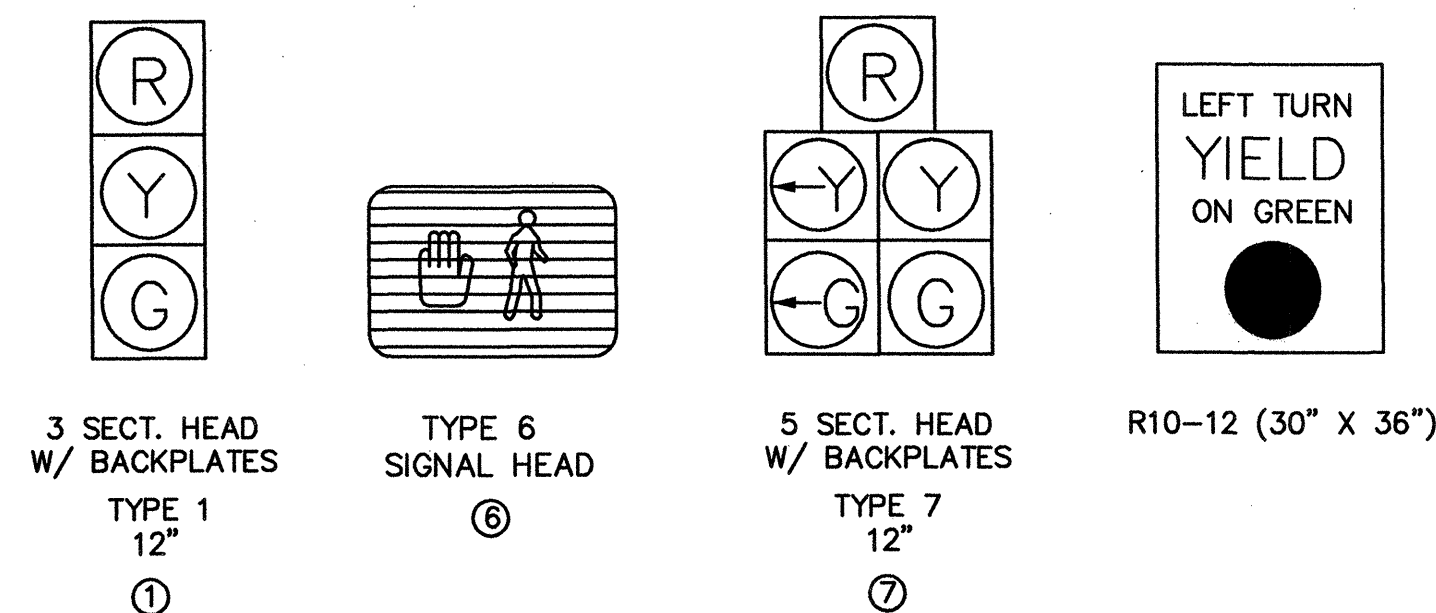
PLAN SECTION DIVISION
ROADWAY SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION



TURNING MOVEMENT COUNTS (2006)



SIGNAL HEADS & SIGNS



LEGEND

- | | | | |
|-----|----------------------------------|--------|------------------------|
| → | NEW MAST ARM POLE | ☐ | CONTROLLER AND CABINET |
| → | TRAFFIC/PEDESTRIAN SIGNAL HEAD | ☐ | TYPE 1 PULLBOX |
| → | OVERHEAD SIGN / STREET NAME SIGN | ☐ | TYPE 2 PULLBOX |
| 2/c | 2 CONDUCTOR SIGNAL CABLE | ☐ | TYPE 3 PULLBOX |
| 4/c | 4 CONDUCTOR SIGNAL CABLE | ☐ | TYPE 3 PULLBOX |
| 5/c | 5 CONDUCTOR SIGNAL CABLE | ☐ | VEHICLE LOOP DETECTOR |
| 7/c | 7 CONDUCTOR SIGNAL CABLE | — | CONDUIT RUN |
| ● | EMERGENCY VEHICLE DETECTOR | S.C. | SHIELDED CABLE |
| | | P.B. | PEDESTRIAN PUSHBUTTON |
| | | O.D.C. | OPTICAL DETECTOR CABLE |
| | | O.D. | OPTICAL DETECTOR |

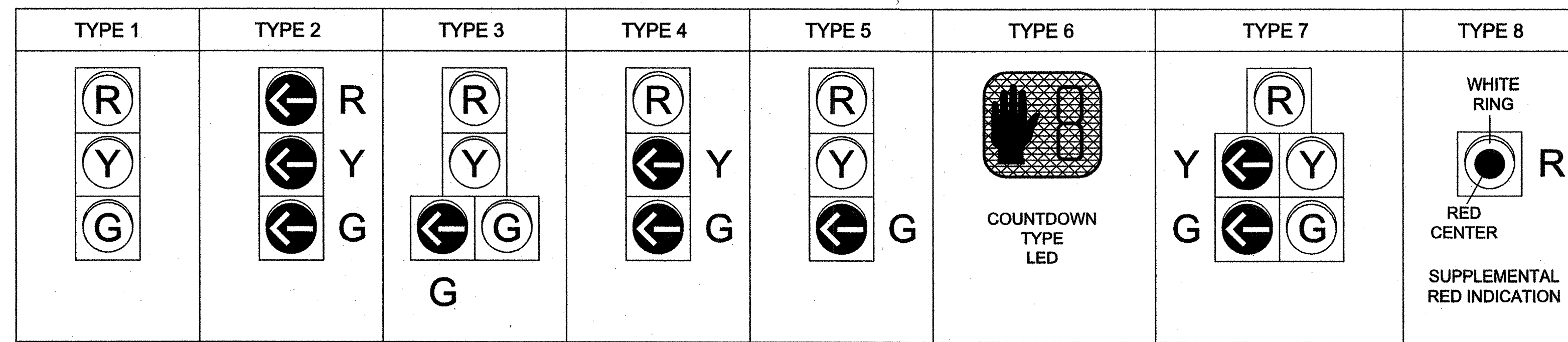
SCALE 1"=20'

DATE		REVISION		BY	
<p>TRAFFIC SIGNAL IMPROVEMENTS LAKE HARBOUR DRIVE AT NORTH PARK DRIVE</p>					
PROJECT NO. STP 8323-00-(003) 104840-701000				WORKING NUMBER	
COUNTY: MADISON				TSI-5	
FILENAME:				SHEET NUMBER	
DESIGN TEAM				52	
CHECKED:				DATE:	

NMDDYY: 00:00 AMP\MDGN\FILENAME

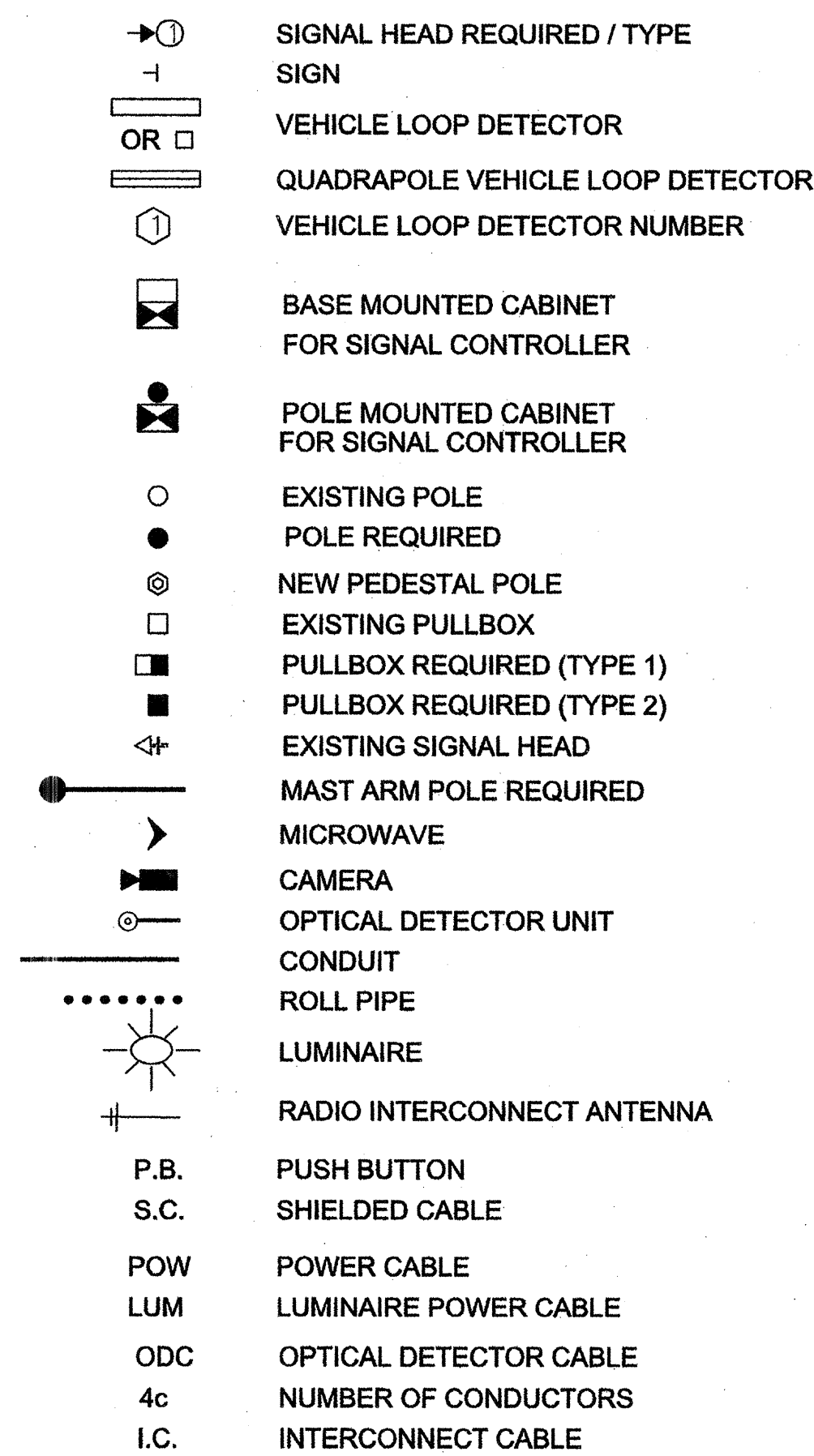
DETAIL OF TYPICAL TRAFFIC SIGNAL HEADS

GENERAL NOTES



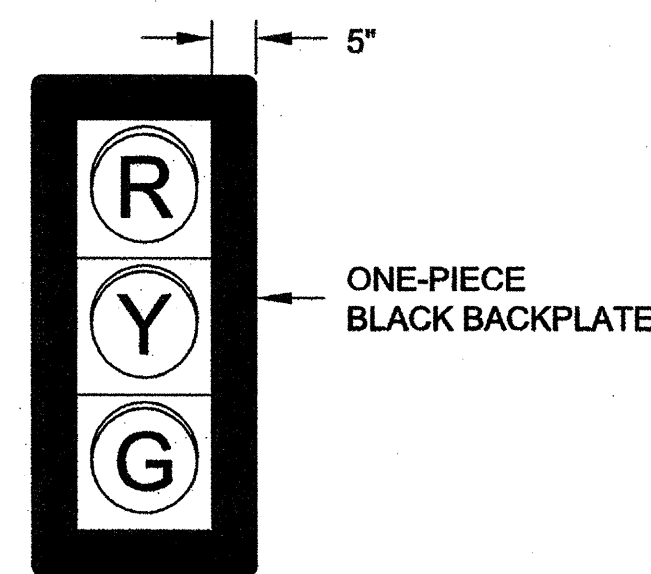
- NOTES:
- ALL SIGNAL HEADS SHALL BE BLACK IN COLOR UNLESS OTHERWISE NOTED ON THE PLANS.
 - ALL SIGNAL HEADS SHALL BE L.E.D. LENSES UNLESS OTHERWISE NOTED ON THE PLANS. TYPE "A" SIGNAL HEAD IS TO BE OPTICALLY PROGRAMMED.
 - LETTER "R" ON HEAD TYPES MEANS RIGHT TURN ARROW(S).
 - TYPE 6 SIGNAL HEAD SHALL BE FURNISHED WITH R10-3e SIGN & PEDESTRIAN PUSHBUTTON. TYPE 6 SIGNAL HEAD SYMBOLS/NUMBERS SHALL BE FULLY ILLUMINATED (NO OUTLINE SYMBOLS ALLOWED).
 - TYPE 7 SIGNAL HEAD SHALL BE FURNISHED WITH R10-12 SIGN WHEN INDICATED ON PLANS.
 - TYPE 4 & 5 SIGNAL HEADS SHALL BE FURNISHED WITH R10-10L SIGNS.
 - FOR SPAN WIRE INSTALLATION, THE HOUSING FOR THE RED INDICATION OF A TYPE 7 HEAD, SHALL BE ALUMINUM.

SIGNAL PLAN LEGEND



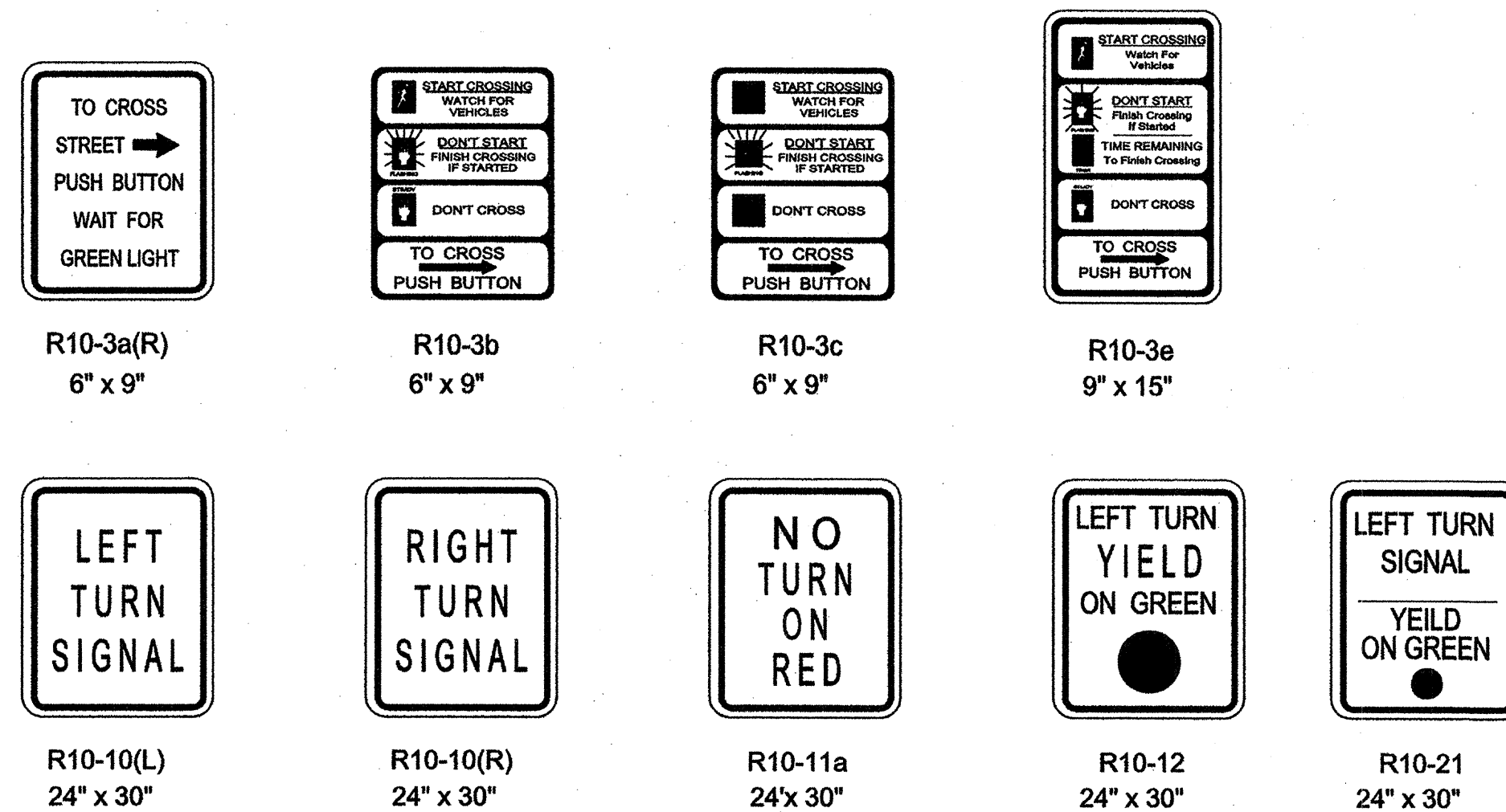
- INTERCONNECT CABLE SHALL BE EITHER IMSA 40-2-1991 OR IMSA 40-4-1991 SIGNAL CABLE, STRANDED. AWG NUMBER AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
- SIGNAL SUPPLY CABLE SHALL BE IMSA 20-1-1991 SIGNAL CABLE, STRANDED. AWG NUMBER AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
- POWER SUPPLY CABLE SHALL BE THHN CABLE, STRANDED. AWG NUMBER AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
- DETECTOR SHIELDED CABLE SHALL BE IMSA 50-2-1991 SIGNAL CABLE, AWG #14 STRANDED COPPER CONDUCTORS, UNLESS OTHERWISE NOTED ON THE PLANS, FROM PULLBOX TO CONTROLLER.
- POLES, SIGNAL HEADS, EQUIPMENT BOXES, PULLBOXES AND CONDUIT MAY BE VARIED SLIGHTLY TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. HOWEVER, SIGNAL HEAD OR POLE LOCATIONS SHALL BE WITHIN REQUIREMENTS OUTLINED IN THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND HIGHWAY DESIGN AND OPERATIONAL PRACTICES RELATED TO HIGHWAY SAFETY.
- POLES AND FOUNDATIONS OF EXISTING SIGNAL INSTALLATIONS SHALL BE CUT OFF 6" BELOW GROUND OR REMOVED AND AREA RESTORED TO MATCH ADJACENT SURFACE AS DIRECTED BY THE ENGINEER.
- LOOP AMPLIFIERS SHALL BE REQUIRED AS SHOWN ON PLANS WHERE TWO OR MORE LOOPS ARE CONNECTED TO THE SAME CHANNEL, THEY SHALL BE WIRED IN SERIES.
- THE CONTRACTOR SHALL PROVIDE MAST ARM POLE DESIGN CERTIFICATION AND CALCULATIONS AS OUTLINED IN SECTION 722.02 OF STANDARD SPECIFICATIONS. DESIGN STANDARD FOR MAST ARMS POLES SHALL BE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. USE FATIGUE CATEGORY II. DO NOT CONSIDER GALLOPING OR TRUCK FORCES. USE 50 YEAR DESIGN LIFE. WIND AND ICE LOADS VARIABLE BASED UPON MAPS IN THE 2001 AASHTO SPECIFICATION. USE UPSWEPT MAST ARMS.
- DETERMINATION OF REQUIRED SIZES, LENGTHS AND GAUGES OF TYPE I, II, III AND IV STEEL POLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IN ACCORDANCE WITH THE PLANS AND SECTION 722.02 OF THE STANDARD SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED IN PLANS OR SPECIFICATIONS.
- THE TOP OF THE STRAIN POLE FOUNDATION SHALL BE 6" ABOVE THE GROUND. THE CONTRACTOR SHALL PROVIDE POLES OF SUFFICIENT LENGTH PLUS 2 FEET TO PROVIDE REQUIRED VERTICAL CLEARANCE OF THE TRAFFIC SIGNAL HEADS WITHOUT EXTENDING THE FOUNDATION ABOVE THE GROUND LINE OF THE POINT WHERE THE POLE IS LOCATED, EVEN THOUGH THIS MAY BE BELOW THE FINISHED GRADE OF THE ROADWAY.
- ALL STRAIN POLES AT AN INTERSECTION SHALL BE THE SAME DIAMETER AND UTILIZE THE SAME BOLT CIRCLE SPACING.
- POLE AND BASE MOUNTED CABINET - GRADES SHALL BE ESTABLISHED TO ±3" AS DIRECTED BY THE ENGINEER.
- TRAFFIC SIGNAL CABINETS AND CONTROLLERS SHALL BE WIRED TO PROVIDE FOR ALL PHASES INCLUDING FUTURE PHASES IN ACCORDANCE WITH THE PHASE SEQUENCE DIAGRAM.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND SALVAGED BY THE CONTRACTOR WITH THE COST TO BE ABSORBED. THE EXISTING POLES, CABINETS, CONTROLLERS, TRAFFIC SIGNAL HEADS, AND OTHER ITEMS AS NOTED ON PLANS ARE TO BE STOCKPILED AS DIRECTED BY THE ENGINEER FOR PICKUP BY STATE FORCES OR AS NOTED ON PLANS. ALL OTHER SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ELECTRICAL SERVICE FROM THE POWER COMPANY SERVICE POINT TO THE TRAFFIC SIGNAL CONTROLLER. FOR SPAN WIRE INSTALLATION, POWER SHALL RUN FROM THE POWER COMPANY SERVICE POINT AERIAL TO THE SIGNAL POLE NEAREST THE CONTROLLER, THE SERVICE SHALL THEN RUN TO THE CONTROLLER AS SHOWN ON THE PLANS. FOR MAST ARM INSTALLATION, POWER SHALL RUN FROM THE POWER COMPANY SERVICE POINT UNDERGROUND DIRECTLY TO CONTROLLER AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE APPLICATION WITH THE POWER COMPANY IN ADVANCE OF NEEDING THE SERVICE. INSTALLATION OF NEW SERVICE POLE (IF NEEDED) IS THE RESPONSIBILITY OF THE CONTRACTOR AND IS COST ABSORBED.
- IF IT IS NECESSARY TO RUN ELECTRIC SERVICE CABLE FROM ONE POLE TO ANOTHER, THE SERVICE CABLE SHALL BE LASHED TO A SEPARATE MESSENGER CABLE LOCATED 1 FOOT MIN. ABOVE THE SIGNAL CABLE.
- VEHICLE LOOP ASSEMBLIES SHALL BE INSTALLED IN THE TOP LAYER OF BINDER OR EXISTING SURFACE BEFORE THE FINAL SURFACE COURSE IS APPLIED.
- PEDESTRIAN PUSHBUTTONS AND SIGNS TO BE INCLUDED IN PAY ITEM FOR TYPE 6 HEADS AT NO ADDITIONAL COST. WHERE PUSHBUTTONS AND SIGNS ARE SHOWN ON PLANS WITHOUT A TYPE 6 HEAD, THEY SHALL BE INSTALLED WITH NO ADDITIONAL PAYMENT (ABSORBED ITEM). SIDE OF POLE LOCATIONS OF PUSHBUTTONS MAY BE FIELD ADJUSTED.
- FIELD DRILL AND TAP EXISTING POLES WHERE PEDESTRIAN SIGNALS AND PUSHBUTTONS ARE REQUIRED ON PLANS. (ABSORBED ITEM).
- REFER TO WORKING NUMBER TSD-5 "CONDUIT ENTRANCE DETAIL" WHEN NEW CONDUIT(S) ARE REQUIRED AT EXISTING SIGNAL POLES OR CONTROLLERS.
- MESSENGER CABLE AND OTHER SUPPORTING DEVICES WHERE REQUIRED SHALL BE ABSORBED IN THE PAY ITEMS FOR ELECTRIC CABLE.
- FOR PROTECTED/PERMITTED LEFT TURN PHASING, TYPE 7 OR 7A TRAFFIC SIGNAL HEADS (FIVE SECTION HEADS) SHALL OPERATE SUCH THAT THE CIRCULAR INDICATIONS DISPLAYED WILL BE IDENTICAL AND SIMULTANEOUS TO THE CIRCULAR INDICATIONS FOR THE ADJACENT THROUGH MOVEMENT SIGNAL HEADS; i.e. A CIRCULAR RED AND EITHER A GREEN ARROW OR YELLOW ARROW MAY BE DISPLAYED SIMULTANEOUSLY IN THE SAME FIVE SECTION HEAD.
- CONTRACTOR RESPONSIBLE FOR PROVIDING TEMPORARY SIGNALS IF NECESSARY IS TO ACCOMMODATE ROADWAY CONSTRUCTION AND WILL BE ABSORBED UNDER PAY ITEM 618-A, MAINTENANCE OF TRAFFIC.
- CONTRACTOR IS RESPONSIBLE FOR SCHEDULING FINAL INSPECTION MEETING WITH DISTRICT OFFICE, PROJECT OFFICE AND TRAFFIC ENGINEERING FOR SIGNAL PORTION OF THE PROJECT.
- THERE SHALL BE A 30 DAY BURN IN PERIOD FROM THE TIME THE SIGNAL IS OPERATIONAL AS OUTLINED IN SECTION 634.03.3 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.

DETAIL OF TRAFFIC SIGNAL WITH BACKPLATE



- NOTE:
- TYPE 1, 2, 3, 4, 5, 6, & 7 SIGNAL HEADS SHALL INCLUDE BACKPLATES UNLESS OTHERWISE NOTED ON TRAFFIC SIGNAL INSTALLATION SHEETS.

DETAIL OF TYPICAL TRAFFIC SIGNAL SIGNS



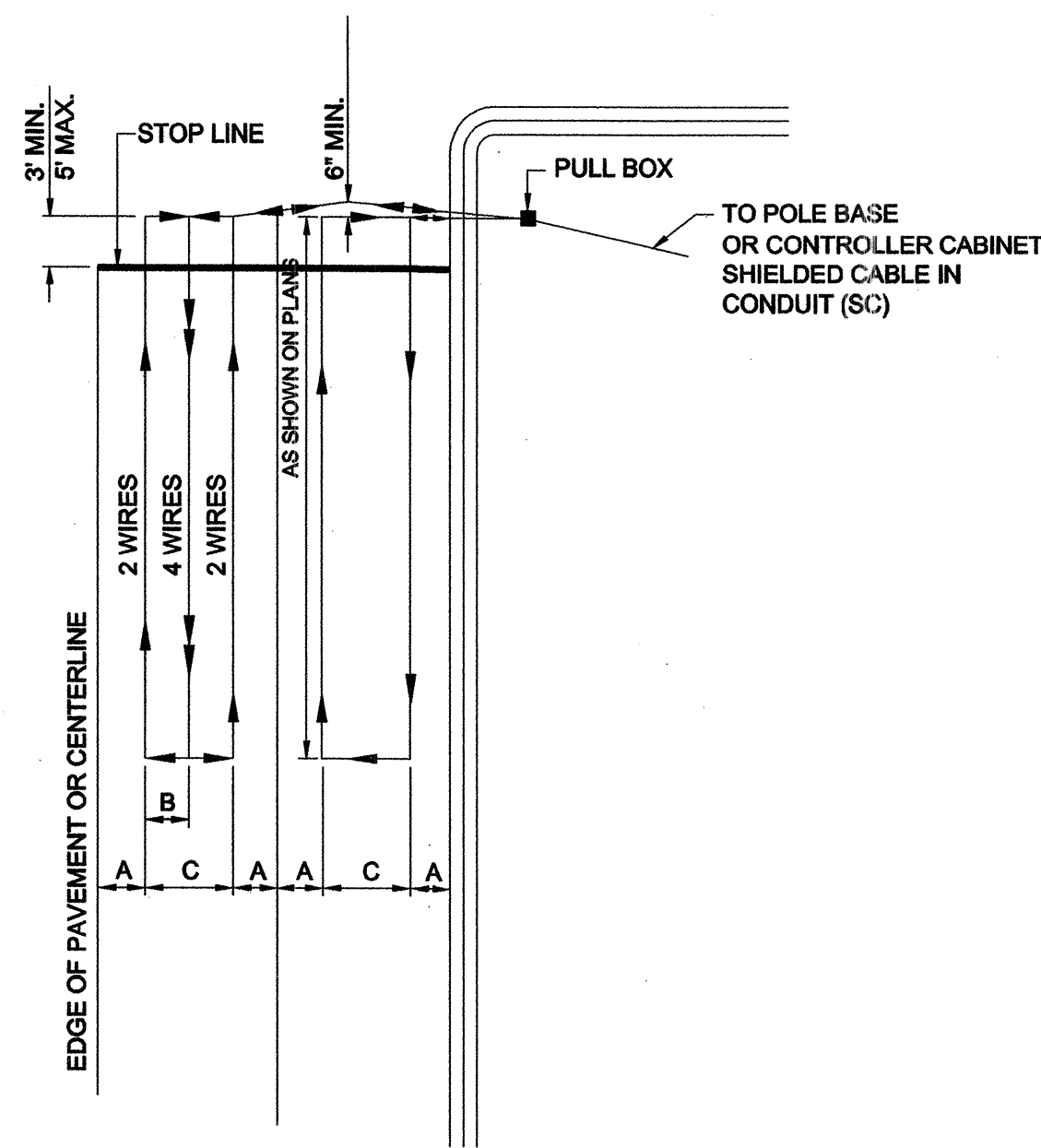
- NOTES:
- ALUMINUM SIGN BLANKS ARE TO BE ALLOY 5052-H38 AND 0.08" (NOMINAL) THICK.
 - THE SIGNS SHALL BE SUPPLIED WITH MOUNTING BRACKETS AS REQUIRED.
 - NUMBER 12 PLATED JACK CHAINS SHALL BE ATTACHED TO THE BOTTOM OF ALL SPAN WIRE MOUNTED SIGNS.
 - CHAINS SHALL BE ATTACHED TO SIGN AND TETHER USING "S" HOOKS.
 - THE SIZE OF THE SIGN BLANK, LEGEND, BORDER AND THE COLOR OF THE BACKGROUND AND LEGEND IS TO CONFORM TO THE M.U.T.C.D.
 - THE BACKGROUND SHALL BE REFLECTORIZED USING TYPE IX SHEETING.

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES	
DATE		PROJECT NO.: STP-823-00-(003) / 10484-70100	
DESIGN TEAM		COUNTY: MADISON	
CHECKED		WORKING NUMBER TSD-1	
DATE		SHEET NUMBER 53	

STATE	PROJECT NO.
MISS.	STP-8323-
	00-(003)

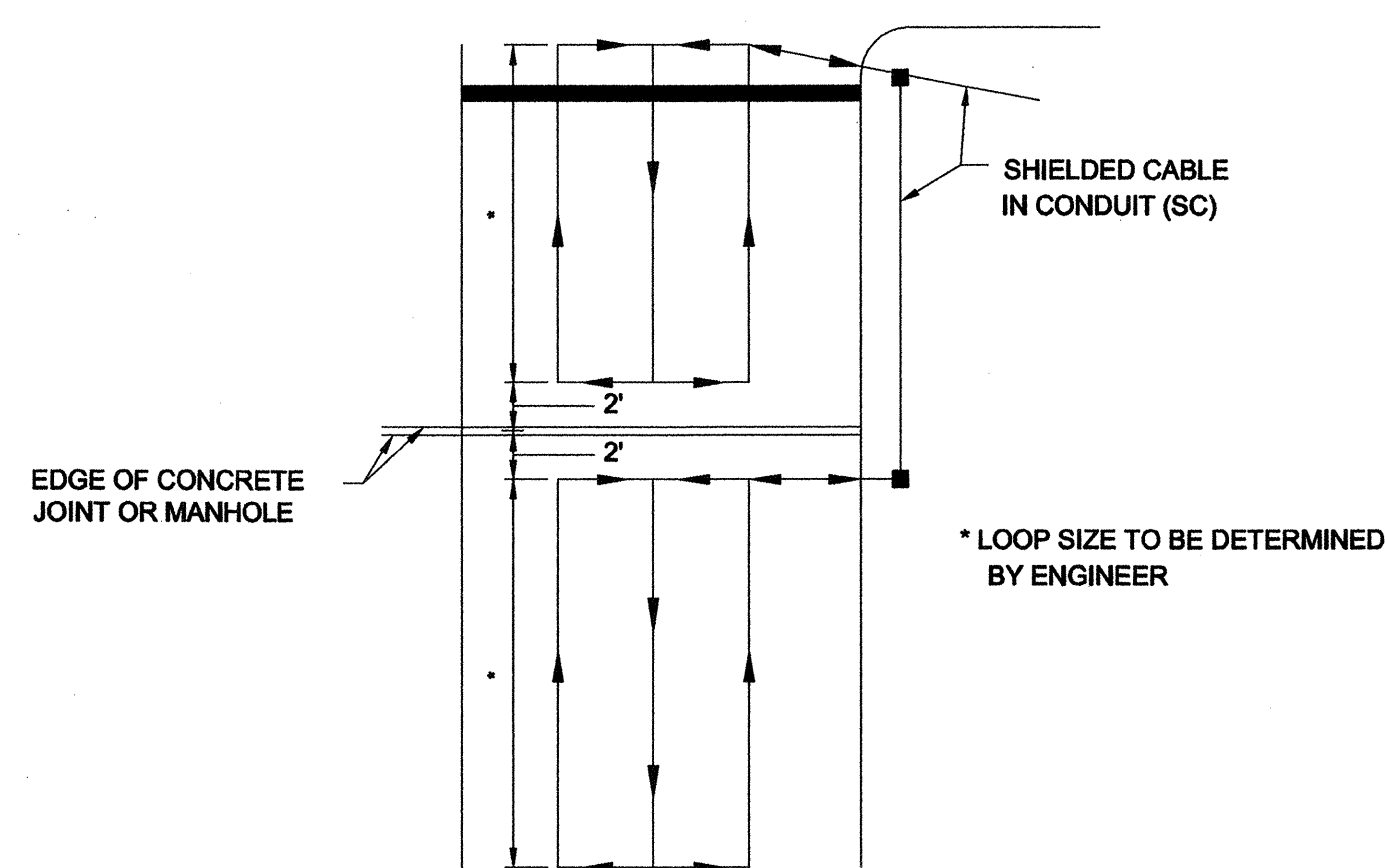
LANE WIDTH	"A"	"B"	"C"
10'	2.5'	2.5'	5'
11'	2.5'	3'	6'
12'	3'	3'	6'
14'	3'	4'	8'

MINIMUM LOOP SEPARATION WHEN NO LANE LINES ARE PRESENT IS 3'

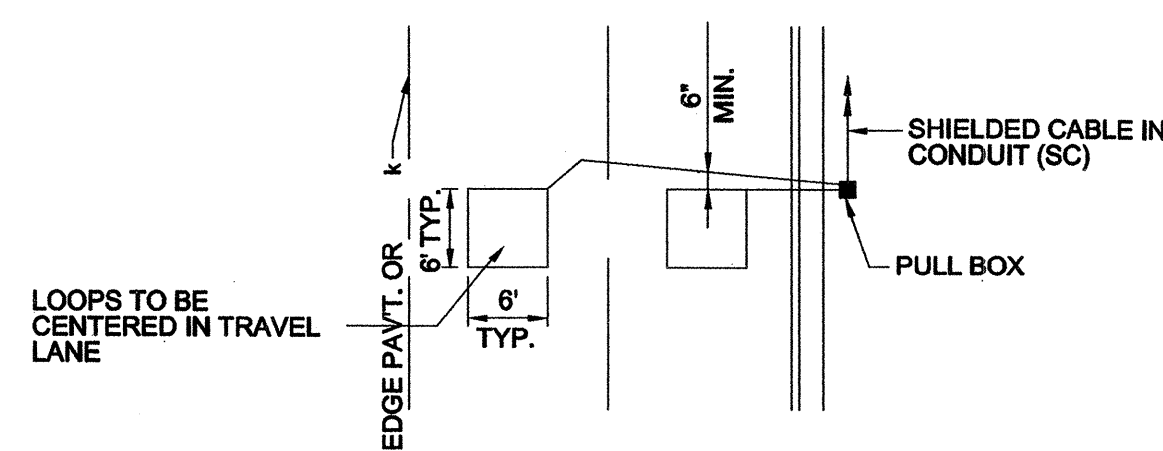


LARGE LOOP DETECTOR INSTALLATION DETAIL
NOT TO SCALE

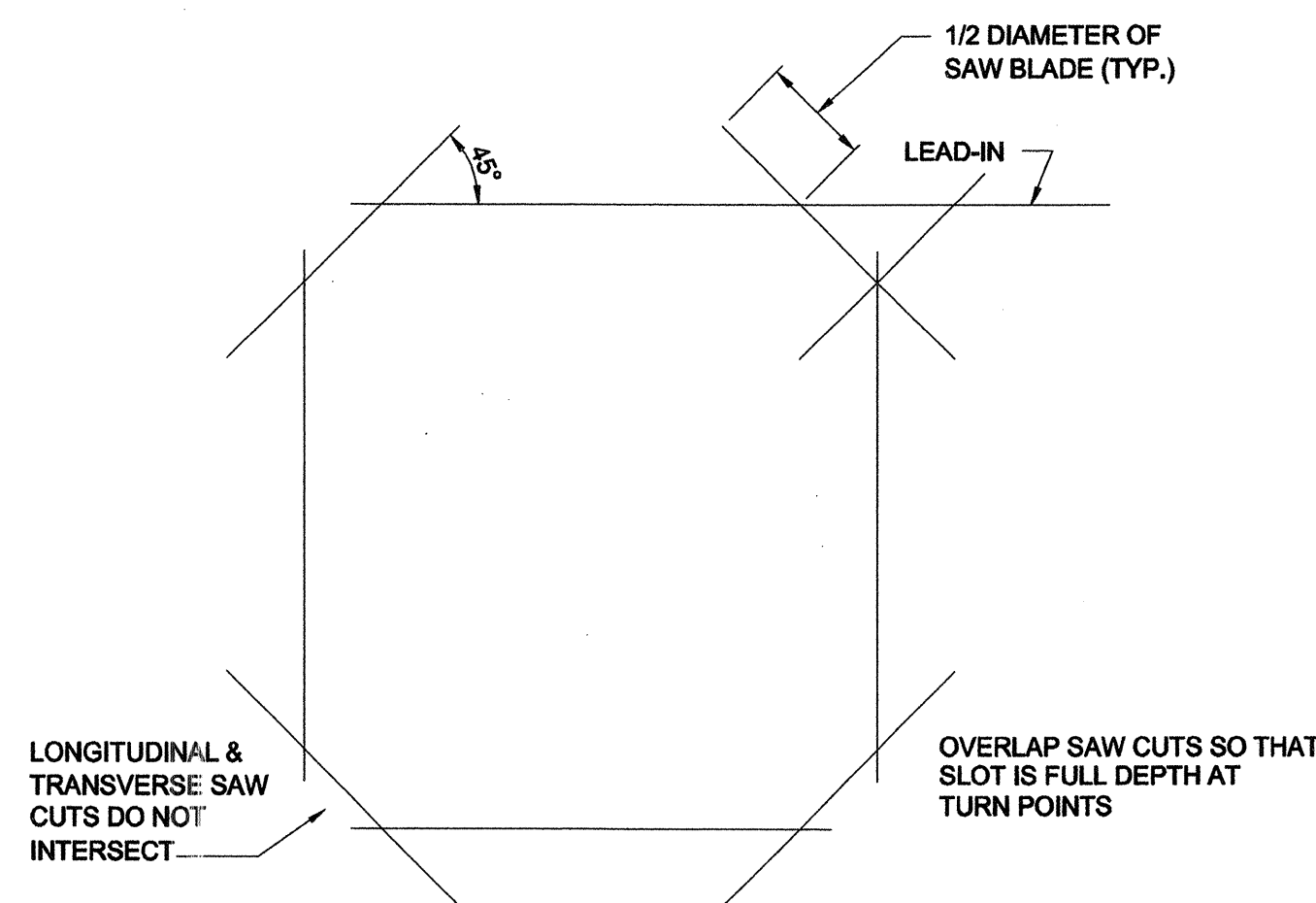
NOTE
NO LOOPS ARE TO BE INSTALLED THROUGH, OVER, OR UNDER TRANSVERSE CONCRETE JOINTS IN CONCRETE PAVEMENT, AND NO MANHOLES, INLETS, ETC. MAY BE LOCATED WITHIN A LOOP. IF ANY OF THE ABOVE ARE ENCOUNTERED THE LOCATION OF THE LOOP MAY BE VARIED SLIGHTLY AS DIRECTED BY THE ENGINEER. IF THE ABOVE ITEMS ARE UNAVOIDABLE, SMALLER LOOPS AS SHOWN BELOW MAY BE USED. SMALLER LOOPS USED TO REPLACE ONE LARGE LOOP MAY BE CONNECTED TO ONE CHANNEL.



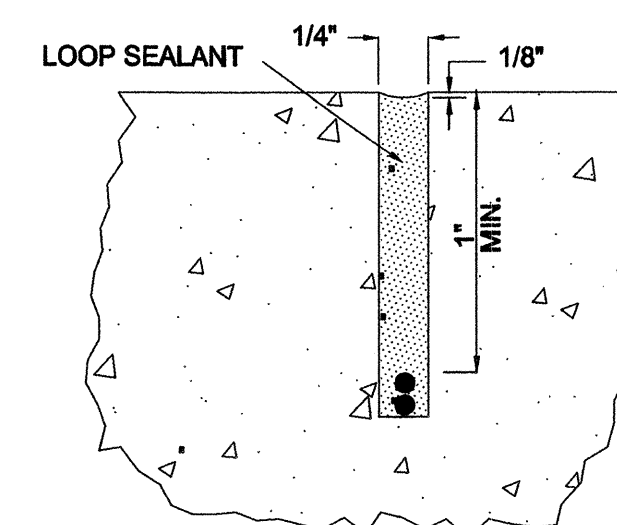
TYPICAL DETAIL OF LOOP DETECTOR WHERE TRANSVERSE CONCRETE JOINTS, MANHOLES, ETC. ARE ENCOUNTERED
NOT TO SCALE



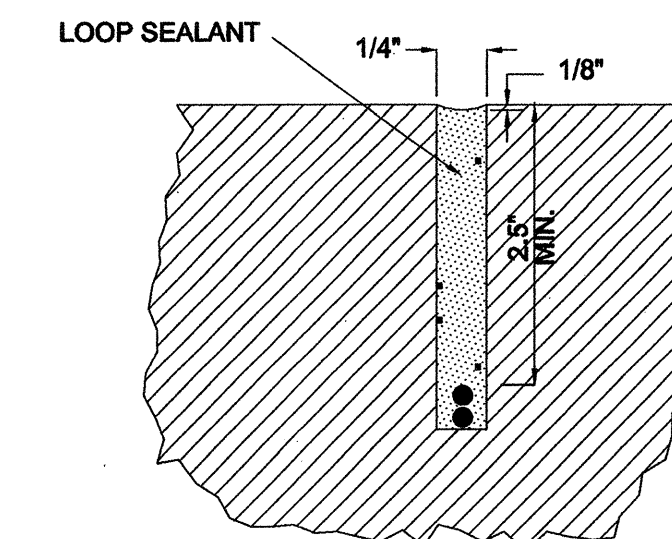
SMALL LOOP DETECTOR INSTALLATION DETAIL
NOT TO SCALE



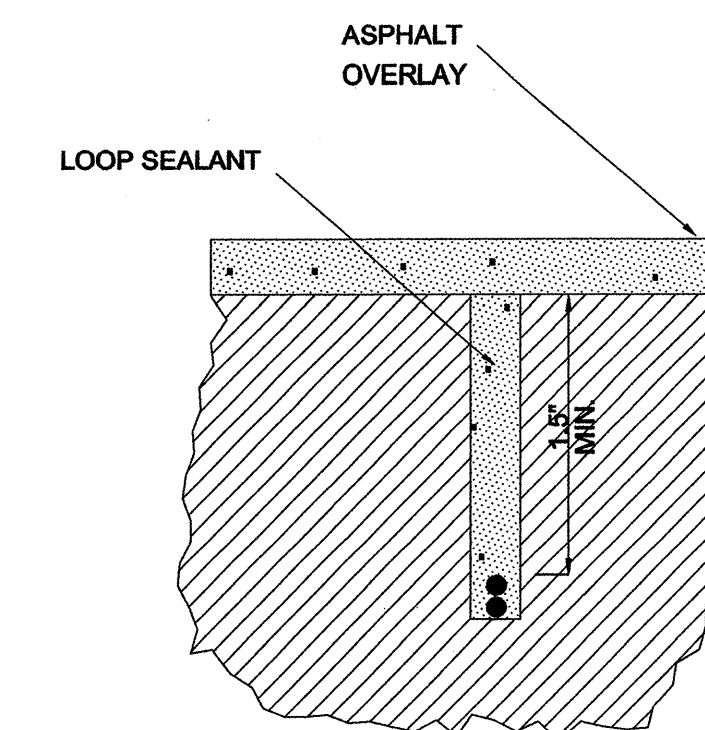
LOOP SLOT CONSTRUCTION DETAIL
NOT TO SCALE



CONCRETE



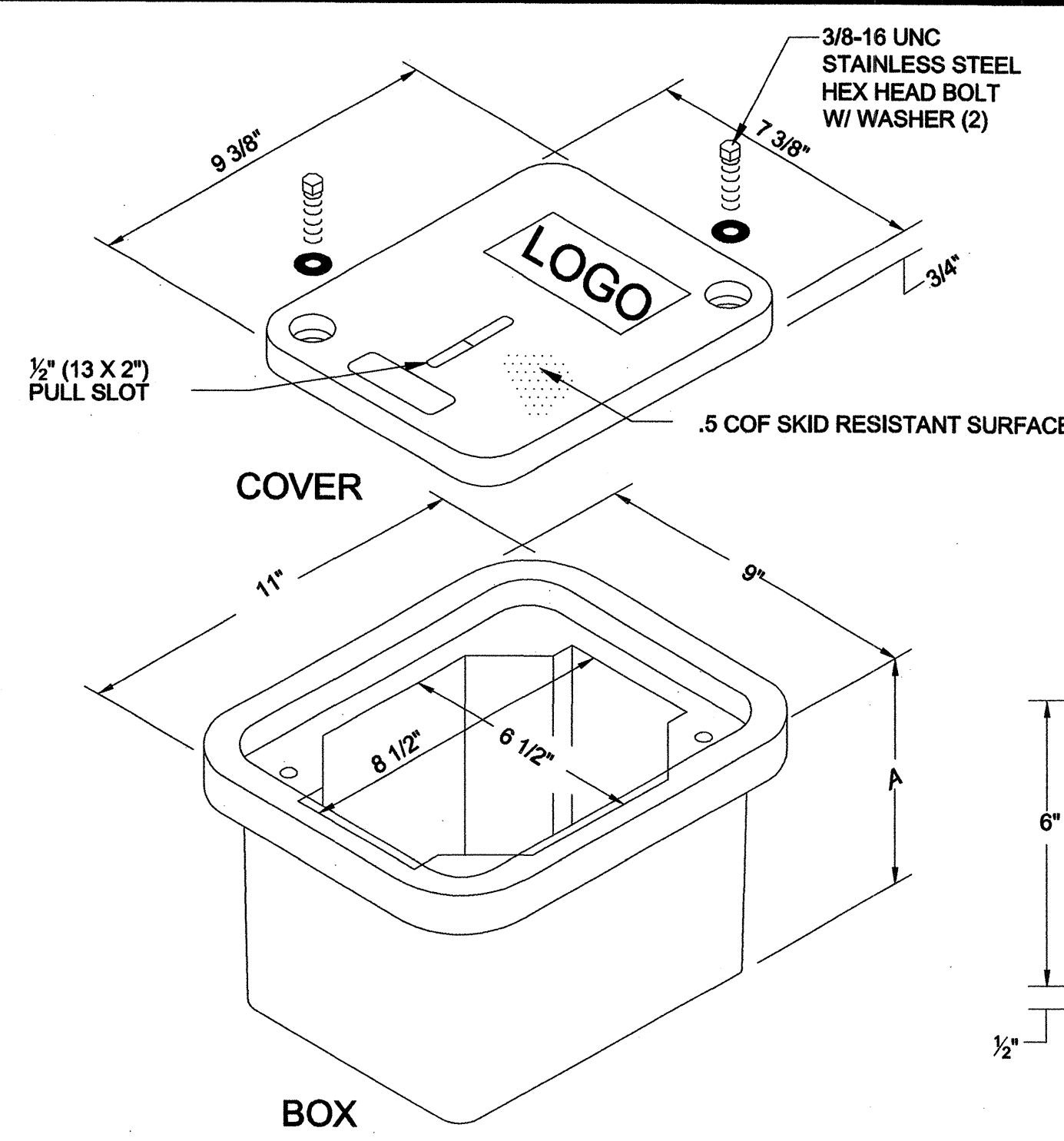
IN PLACE ASPHALT



ASPHALT (NEW CONSTRUCTION)

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION	
PROJECT NO.:		STP-8323-00-(003) /	
COUNTY:		MADISON	
DATE	FILENAME:	WORKING NUMBER	TSD-2
DESIGN TEAM	CHECKED	DATE	SHEET NUMBER
			54

STATE	PROJECT NO.
MISS.	STP-8323-
	00-(003)



TYPE 1 PULLBOX
NOT TO SCALE

Covers (blank unless logo is specified)

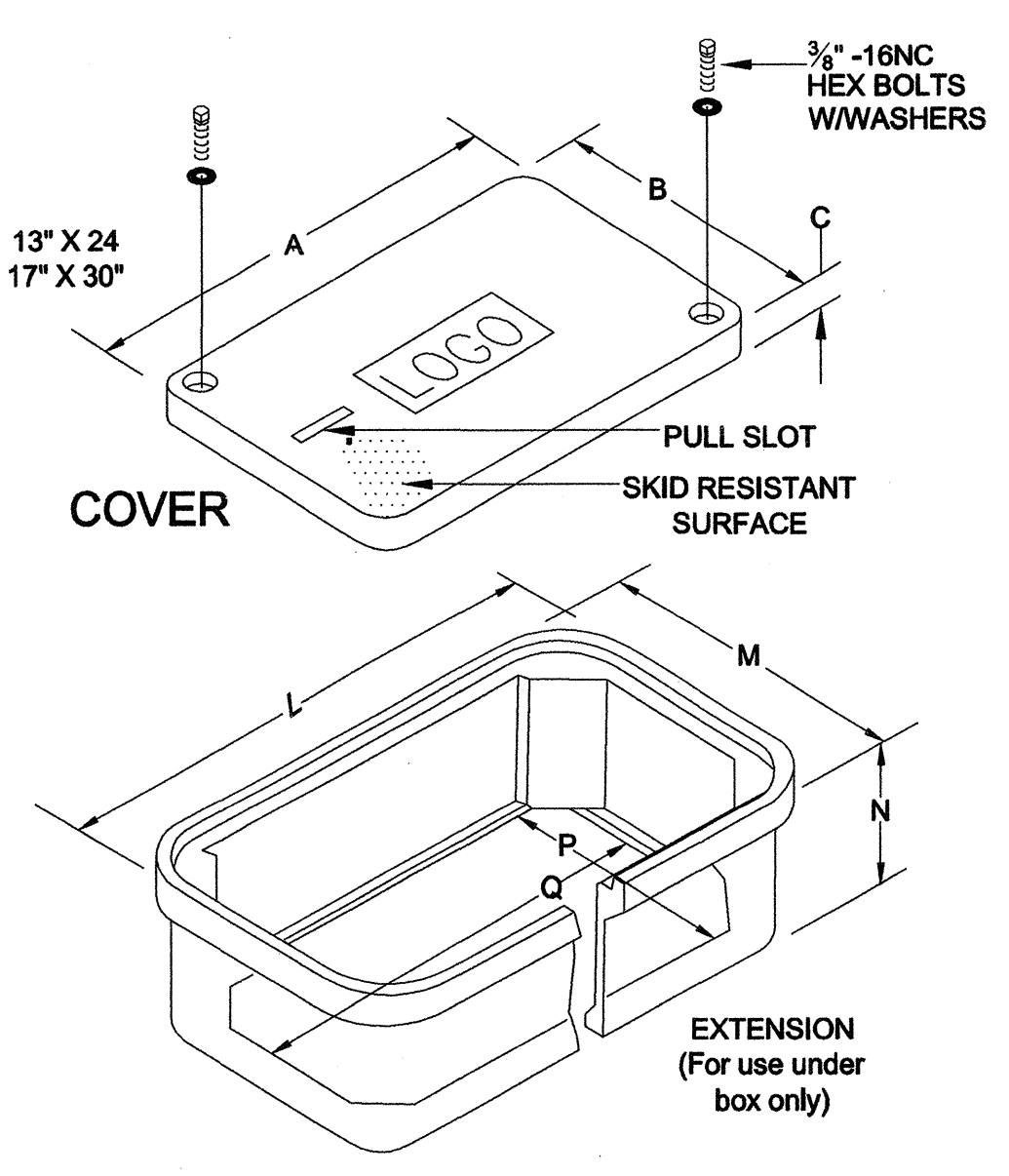
DESCRIPTION	WEIGHT #	DESIGN/TEST LOAD #	ANSI TIER
W/2 Bolts	4	8,000 / 12,000	8
Gasketed w/4 Bolts	4	8,000 / 12,000	8

Gasketed covers must be used with a gasketed box. Gaskets reduce the inflow of fluids but do not make the enclosure water tight.

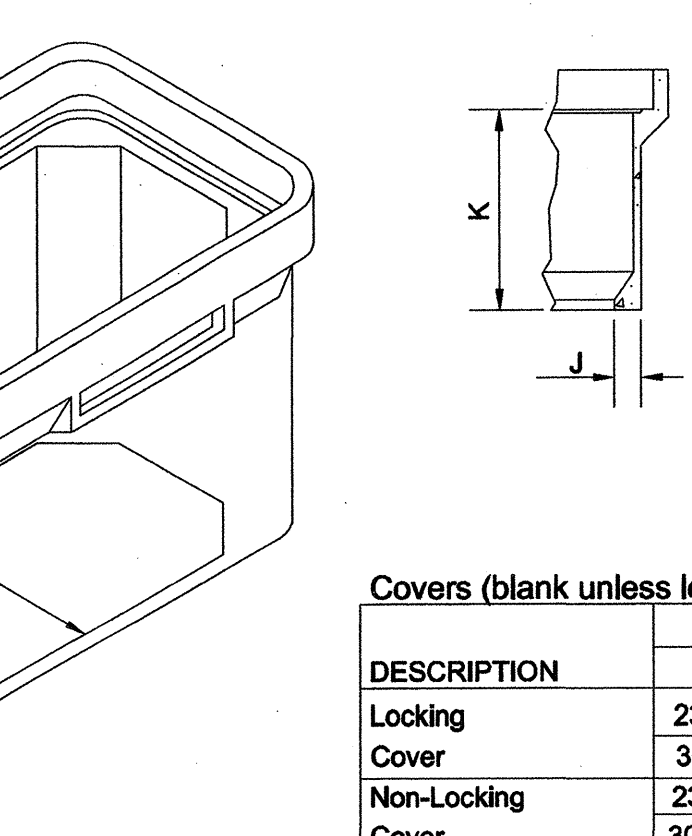
Boxes (Stackable with self-aligning, replaceable EZ-Nut)

DESCRIPTION	WEIGHT #	DIMENSION A	DESIGN/TEST LOAD #	ANSI TIER
Open Bottom	12	6 3/4"	15,000 / 22,500	15
Open Bottom w/Gasket	12	6 3/4"	15,000 / 22,500	15
Solid Bottom	14.5	7 1/4"	15,000 / 22,500	15
Solid Bottom w/Gasket	14.5	7 1/4"	15,000 / 22,500	15

Dimensions & weights in parentheses are metric equivalent.



TYPE 2 or 3 PULLBOX
NOT TO SCALE



Covers (blank unless logo is specified)

DESCRIPTION	DIMENSION (IN.)			WT. LBS.
	A	B	C	
Locking Cover	23-1/4	13-3/4	2	32
Non-Locking Cover	23-1/4	13-3/4	2	33
Steel Locking Cover	23-1/4	13-3/4	2	65
Heavy Duty Locking Cover	30-1/2	17-1/2	2	90
	23-1/4	13-3/4	2	50
	30-1/2	17-1/2	2	74

Boxes (Stackable)

DESCRIPTION	DIMENSION (IN.)							WT. LBS.
	D	E	F	G	H	J	K	
Standard Box	25	15-1/2	12	9-3/4	19-1/4	1-1/4	10	53
	25	15-1/2	18	9-3/4	19-1/4	1-1/4	16	62
	32-1/4	19-1/4	12	13-1/2	26-1/2	1-1/4	10	82
	32-1/4	19-1/4	18	13-1/2	26-1/2	1-1/4	16	94
Box w/ Mouseholes	32-1/4	19-1/4	22	13-1/2	26-1/2	1-1/4	20	106
	25	15-1/2	12	9-3/4	19-1/4	1-1/4	10	49
	25	15-1/2	18	9-3/4	19-1/4	1-1/4	16	61
	32-1/4	19-1/4	12	13-1/2	26-1/2	1-1/4	10	80
Box w/ Solid Base	32-1/4	19-1/4	18	13-1/2	26-1/2	1-1/4	16	80
	32-1/4	19-1/4	22	13-1/2	26-1/2	1-1/4	20	104
	25	15-1/2	18-1/2	N/A	N/A	N/A	16	73
	32-1/4	19-1/4	18-1/2	N/A	N/A	N/A	16	106

*Not to be used for extensions

Extensions (For use under box only)

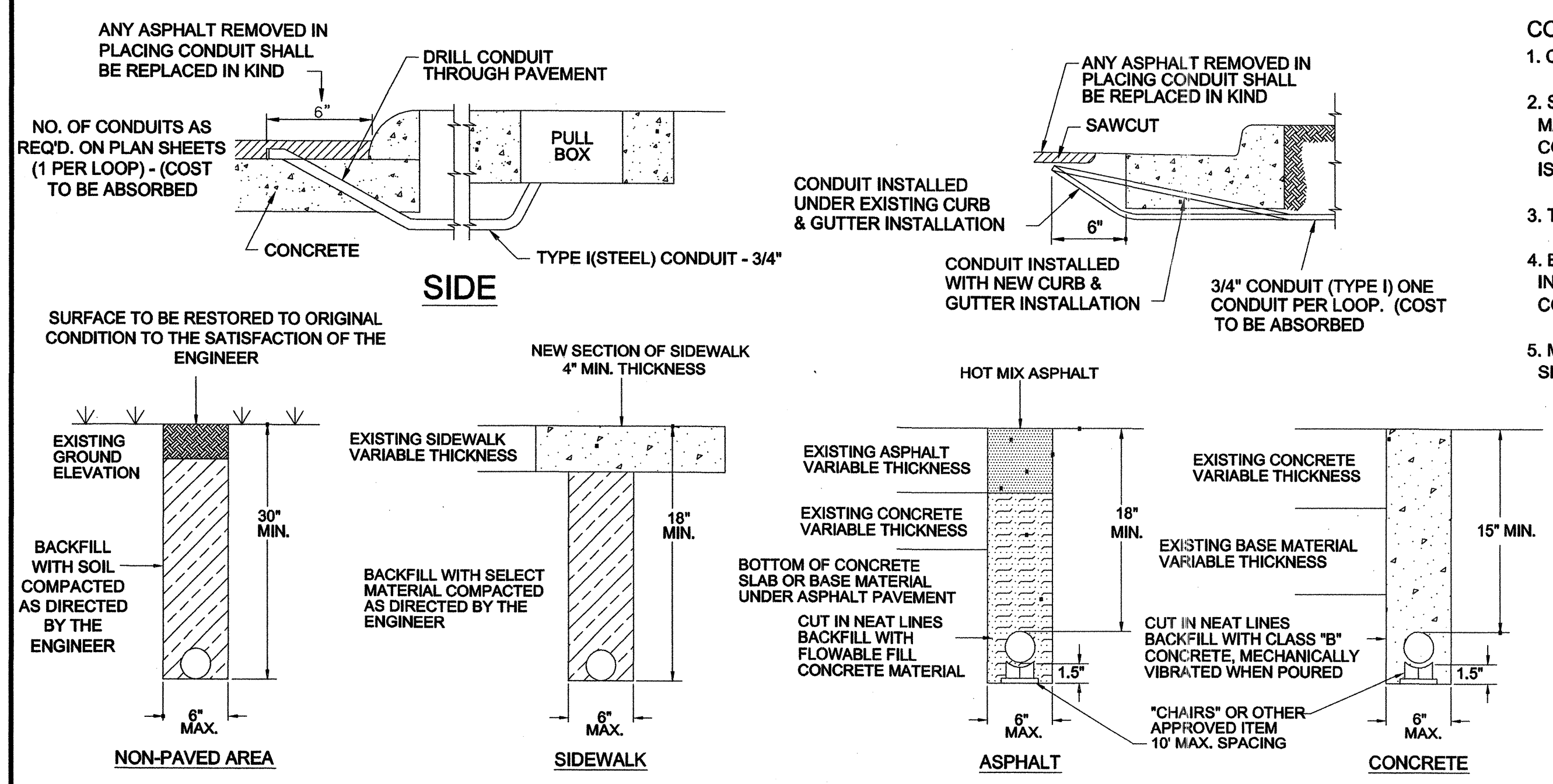
DESCRIPTION	DIMENSION (IN.)							WT. LBS.
	L	M	N	P	Q	R	S	
Extension (One Per Box)	23-3/4	14-1/4	8-3/4	10-3/4	19-3/4	8	1	25
	30-7/8	17-7/8	8-3/4	13-7/8	26-7/8	8	1	47
Extension w/ Solid Base	23-3/4	14-1/4	9-1/4	N/A	N/A	8	N/A	35
	30-7/8	17-7/8	9-1/4	N/A	N/A	8	N/A	65

Underground enclosures shall be Composite. Enclosures and covers shall be concrete gray color and rated for no less than 8,000 lbs. over a 10" x 10" area and be designed and tested to temperatures of -50 F. Material compressive strength shall be no less than 11,000 psi. Covers shall have a minimum coefficient of friction of .5. Boxes shall be stackable for extra depth.

NOMINAL PULLBOX SIZES

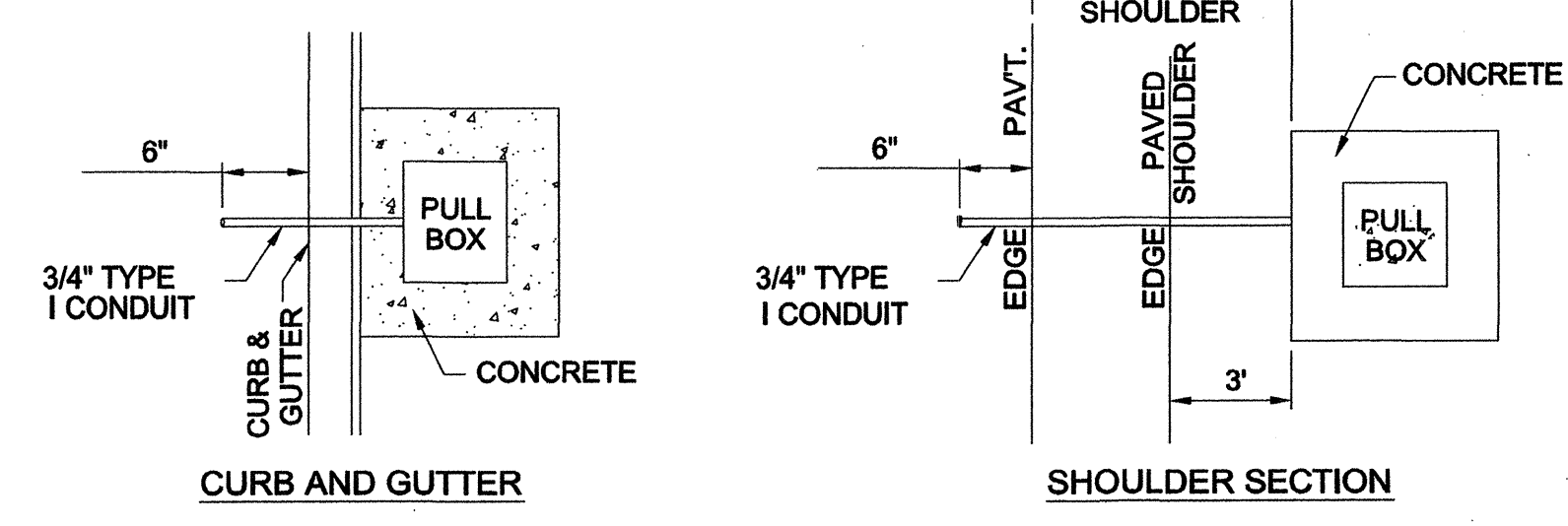
TYPE 1	TYPE 2	TYPE 3
9" x 11" x 6 3/4"	15" x 25" x 18"	19" x 32" x 24"

COLLARS AND GRAVEL UNDER PULLBOX REQUIRED FOR ALL TYPES OF PULLBOXES



CONDUIT TRENCHING DETAIL
NOT TO SCALE

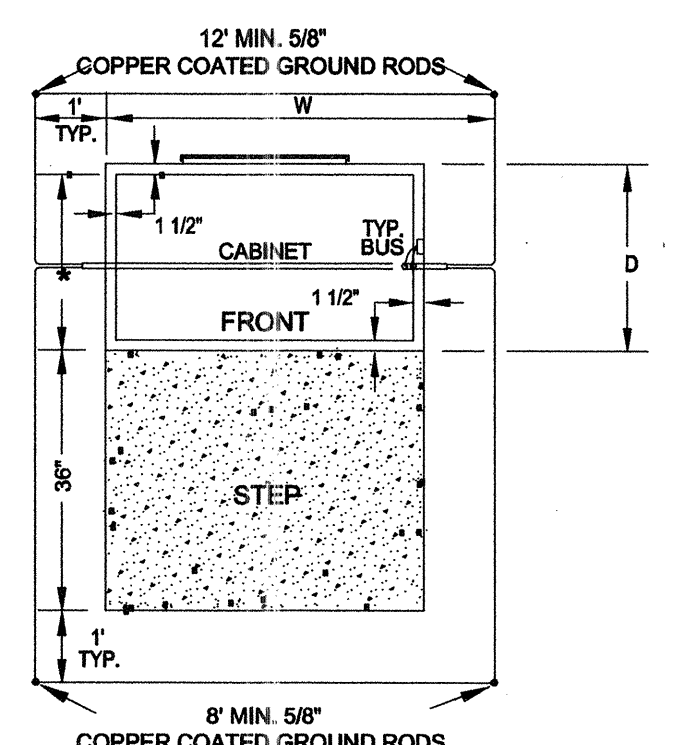
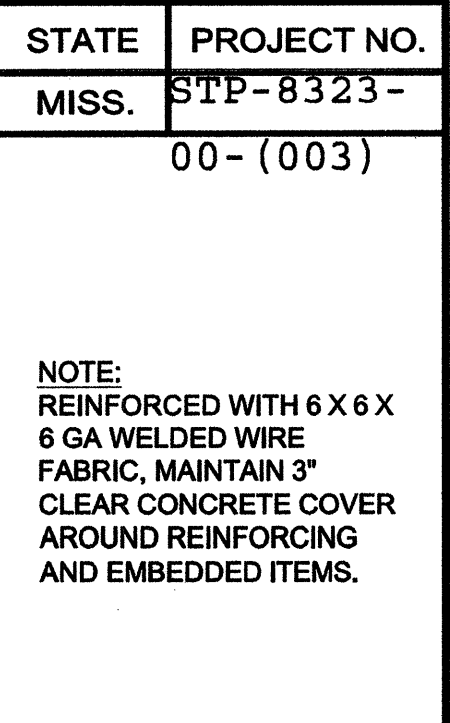
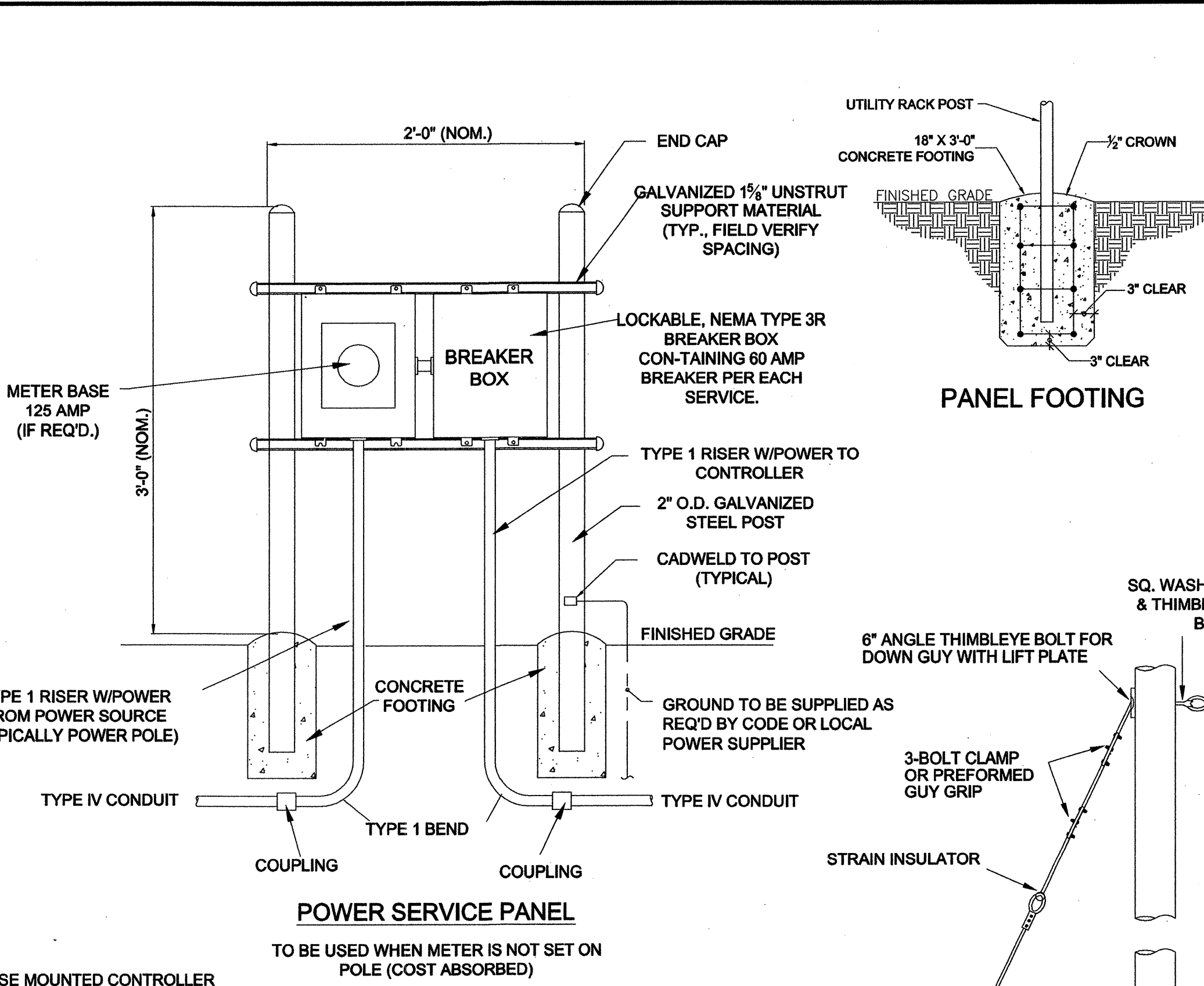
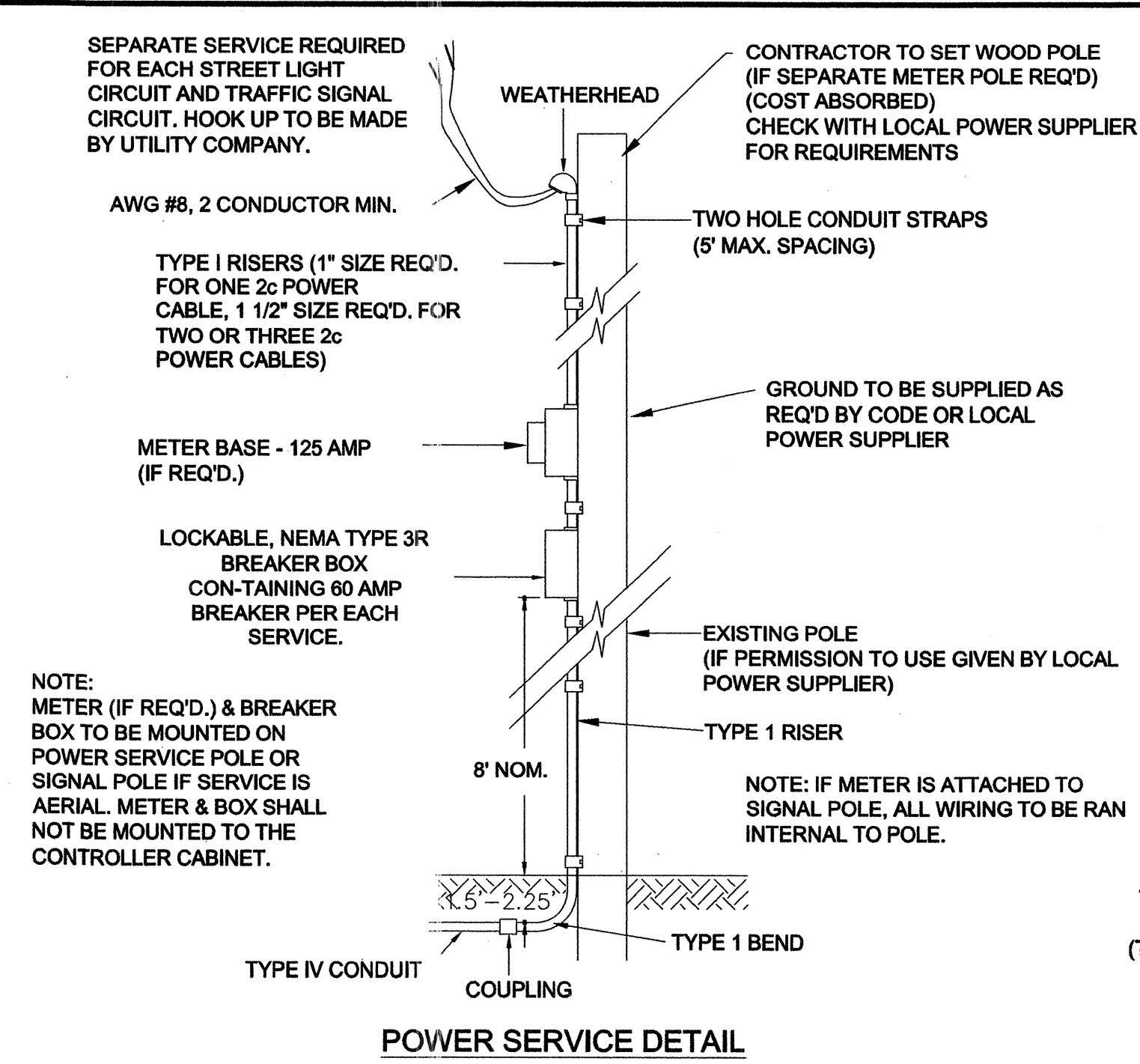
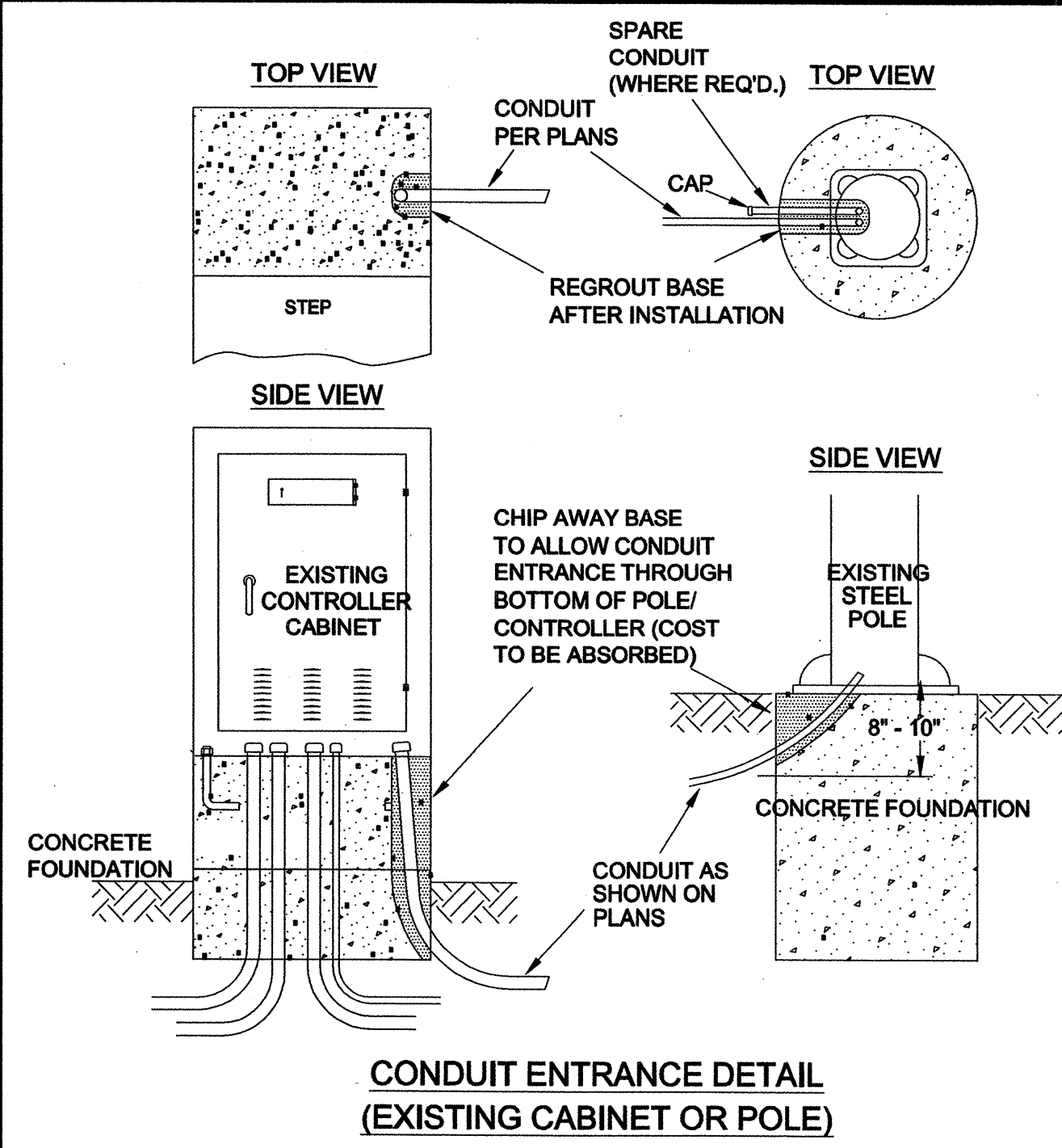
- CONDUIT NOTES:**
- CONDUIT TO BE SEALED WITH DUCT SEALER ONCE CABLE IS INSTALLED.
 - SAWCUT SIDEWALK AT EXISTING JOINTS AND REPLACE ENTIRE SECTION TO MATCH EXISTING MATERIAL. WHEN NEW SIDEWALK IS BEING CONSTRUCTED, CONDUIT, PULLBOX, AND POLE ARE TO BE INSTALLED BEFORE SIDEWALK IS POURED.
 - TYPE I CONDUIT IS RIGID PIPE; TYPE IV CONDUIT IS PVC.
 - ELECTRICAL SUBCONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION WORK UNDER ROADWAY WITH ROADWAY CONSTRUCTION PHASING IN ORDER TO MINIMIZE JACKING.
 - MATERIAL REMOVED THAT IS NOT SUITABLE FOR BACKFILL OR IS EXCESS SHALL BE DISPOSED OF BY THE CONTRACTOR. (COST ABSORBED)



PULL BOX LOCATION DETAIL
NOT TO SCALE

DATE		BY		REVISION	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION					
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION					
STP-8323-00-(003) /					
PROJECT NO.: 104840-701000				WORKING NUMBER TSD-3	
COUNTY: MADISON				SHEET NUMBER 55	
FILENAME:	CHECKED:	DATE:	DESIGN TEAM:		

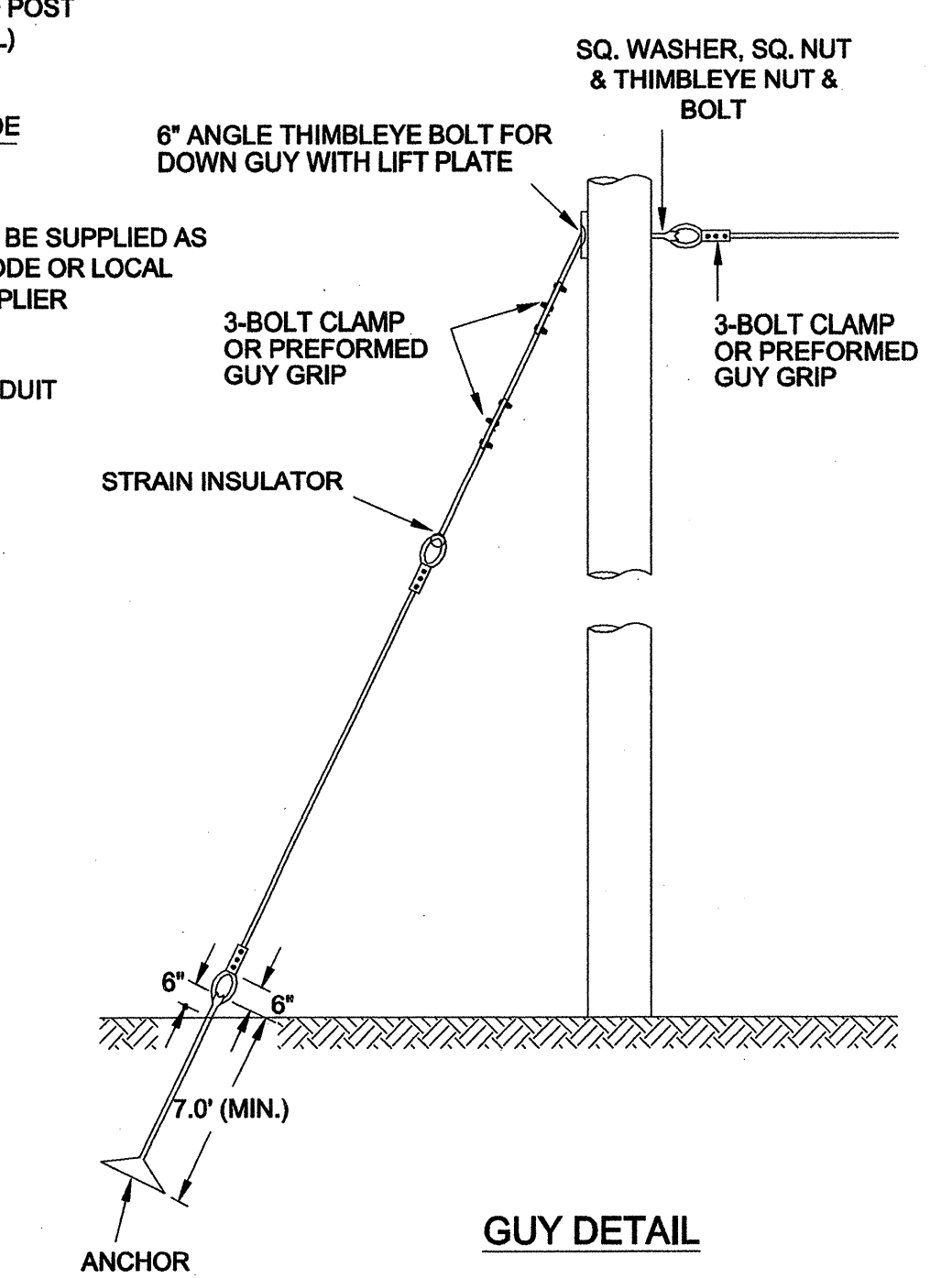
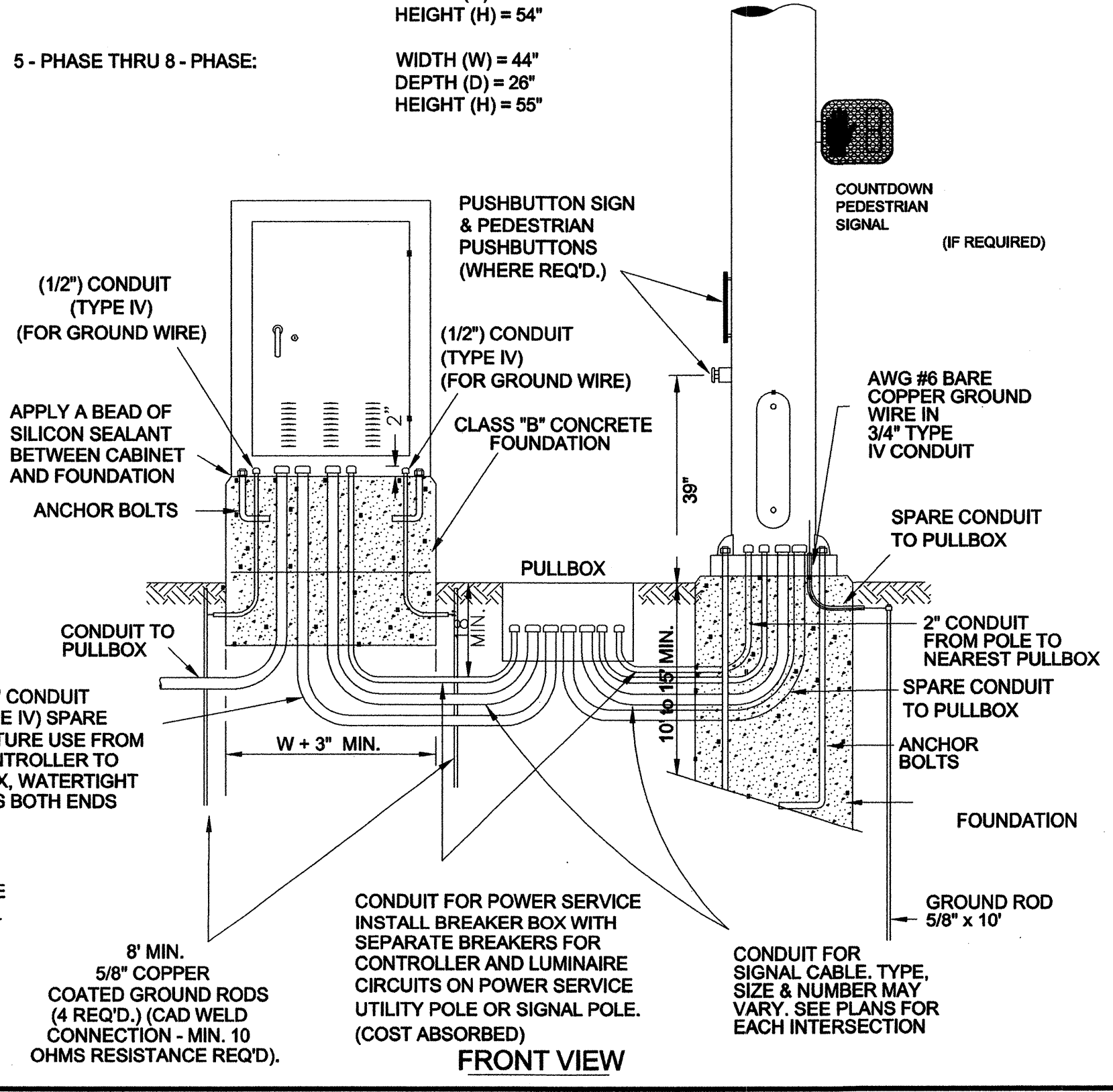
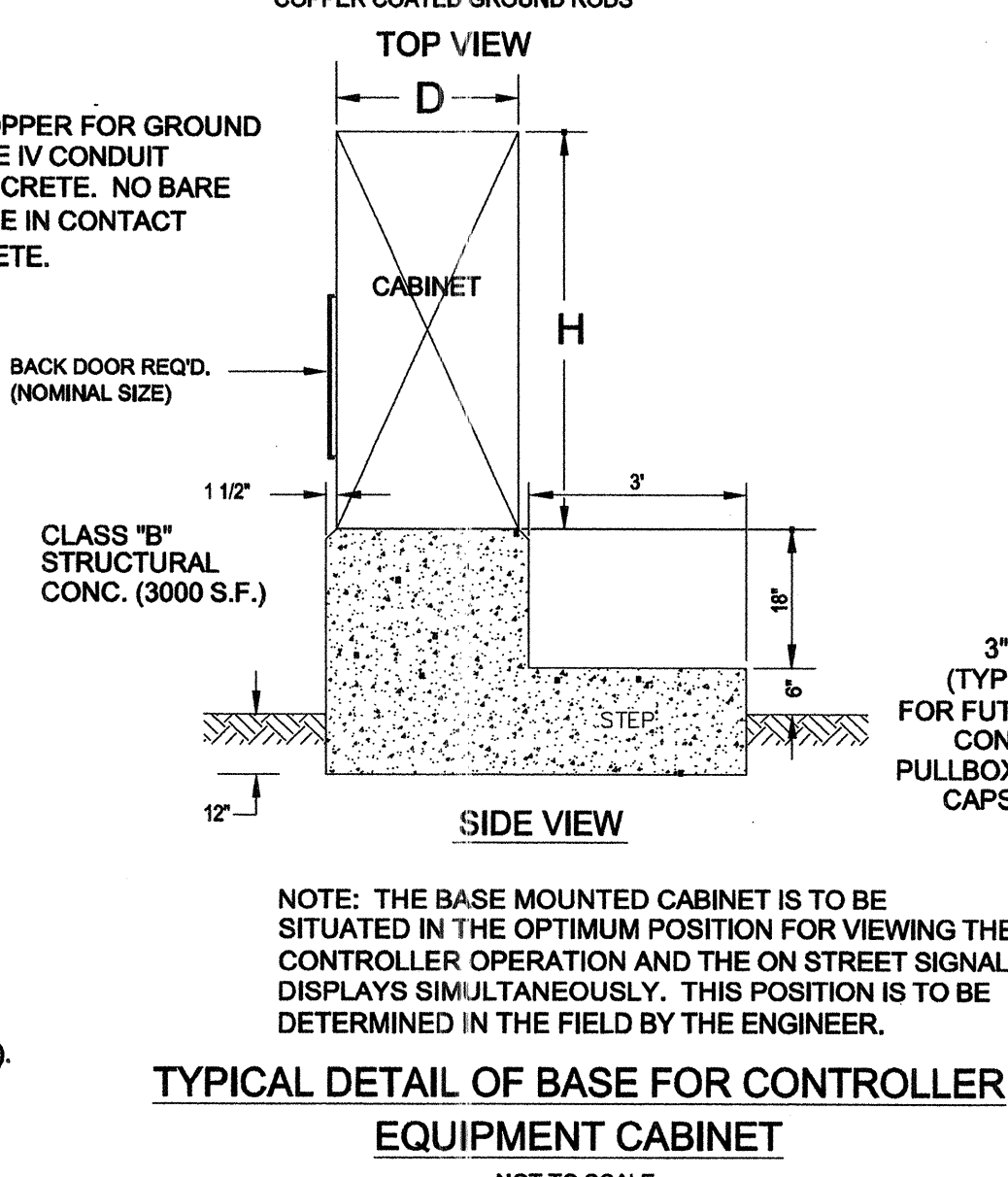
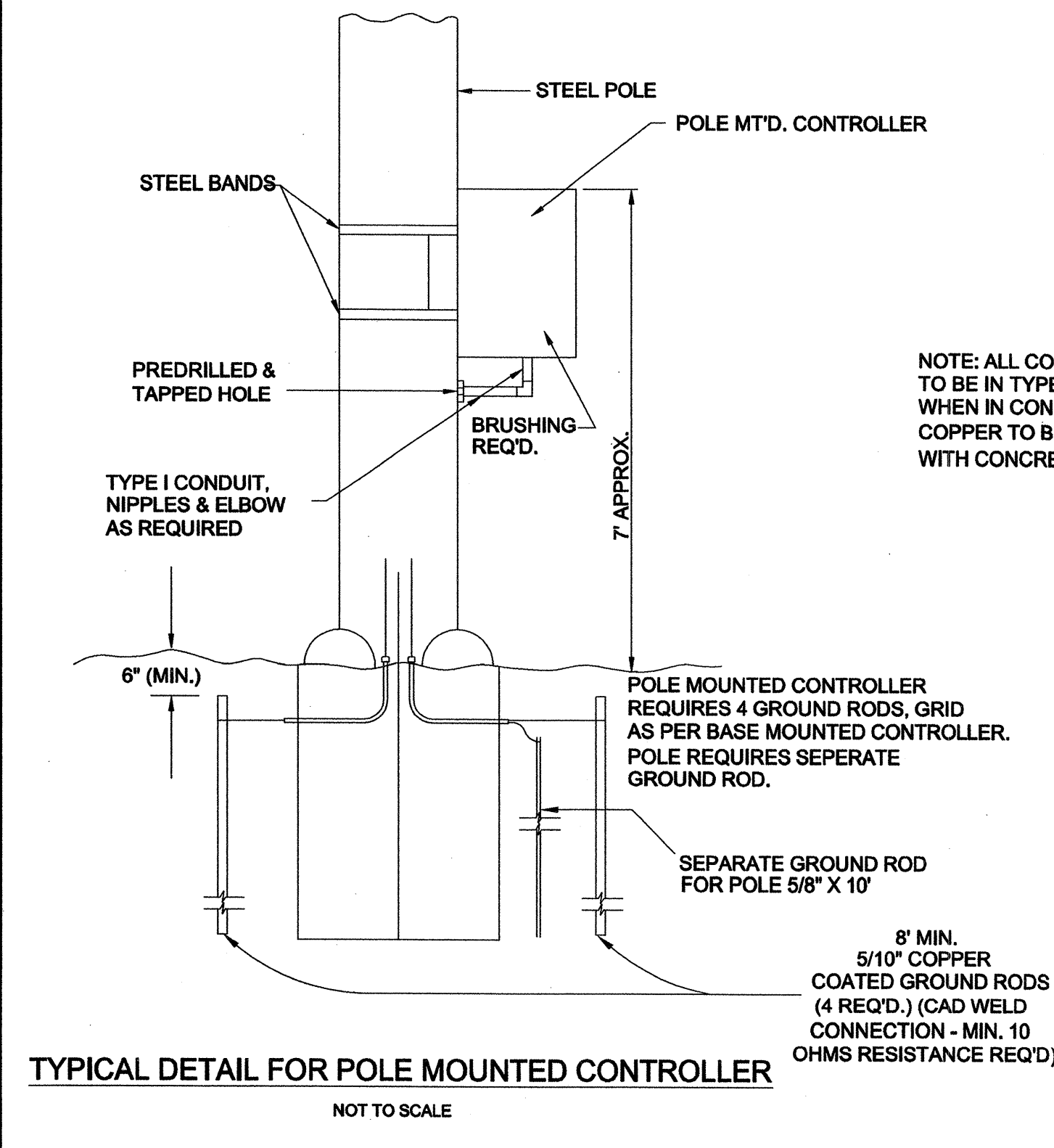
STATE	PROJECT NO.
MISS.	STP-8323-
	00-(003)



DIMENSIONS OF BASE MOUNTED CONTROLLER EQUIP. CABINETS (MIN.)

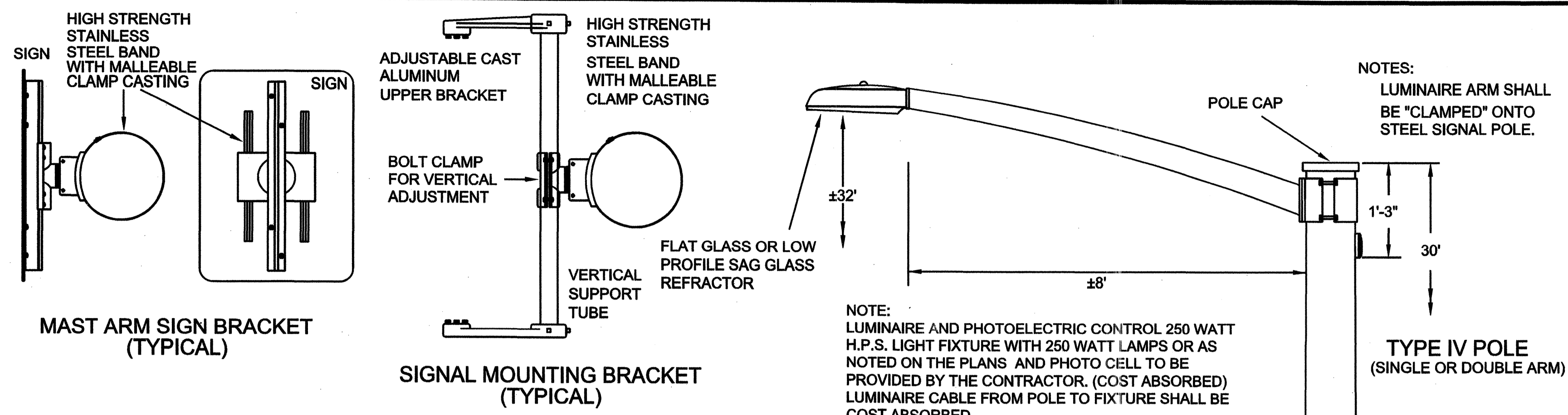
UP TO AND INCLUDING 4 - PHASE: WIDTH (W) = 38" DEPTH (D) = 24" HEIGHT (H) = 54"

5 - PHASE THRU 8 - PHASE: WIDTH (W) = 44" DEPTH (D) = 26" HEIGHT (H) = 55"

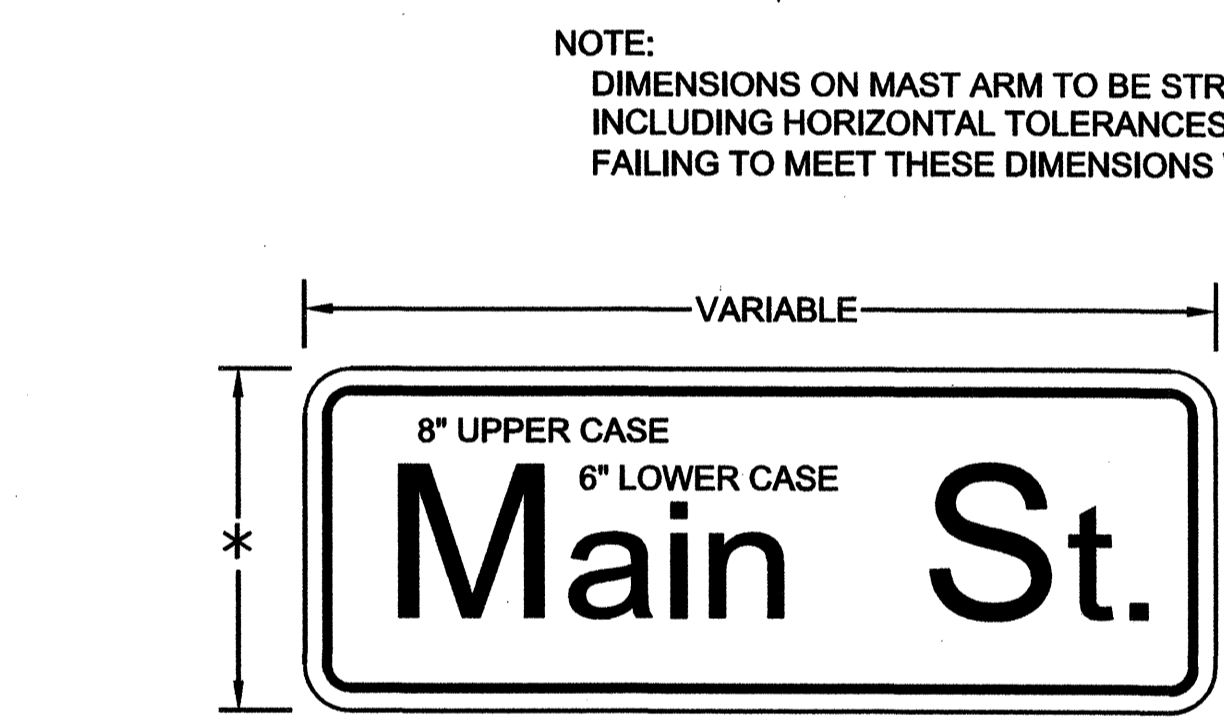
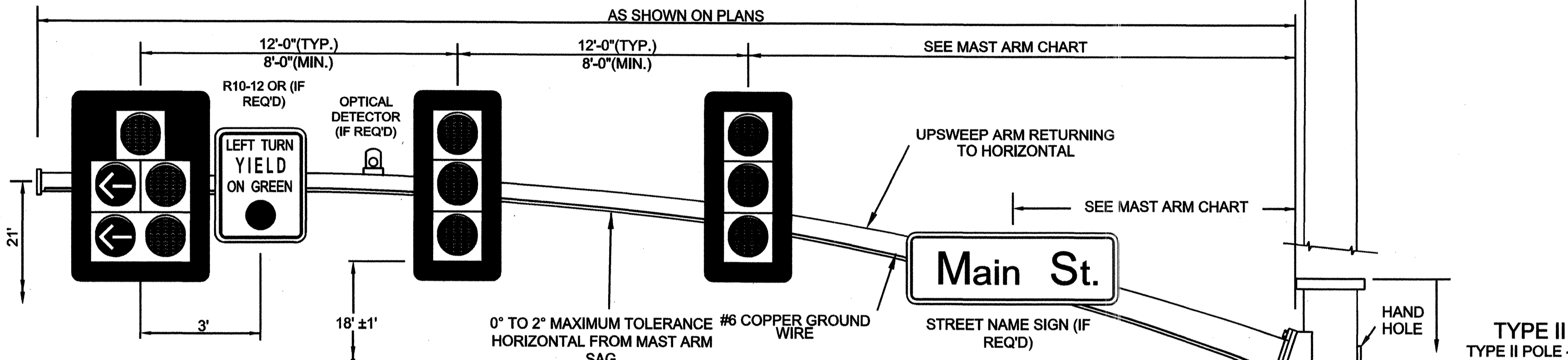


- NOTES:
1. THE ANCHOR ROD IS 6" DIAMETER.
 2. DIFFERENT ANCHORS ARE: CHANCE 8-WAY EXPANSION ANCHORS OR 3 HELICAL 203mm OR AS NECESSARY FOR ADEQUATE HOLD.
 3. ANCHORS ARE TO BE 15' BEHIND THE HOLE IN LINE WITH THE SPAN. RESTRICTION TO THIS WILL BE PROPERTY LINES OR OBSTRUCTIONS.
 4. ALL ATTACHMENT FITTINGS SHALL BE HOT DIP GALVANIZED UNLESS STATED OTHERWISE.
 5. GUYS TO BE INSTALLED AS REQUIRED, DETERMINED BY THE ENGINEER (COST ABSORBED).

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS	
STP-8323-00-(003)	
PROJECT NO.: 104840-701000	WORKING NUMBER
COUNTY: MADISON	TSD-5
FILENAME:	SHEET NUMBER
DESIGN TEAM	56
CHECKED	DATE

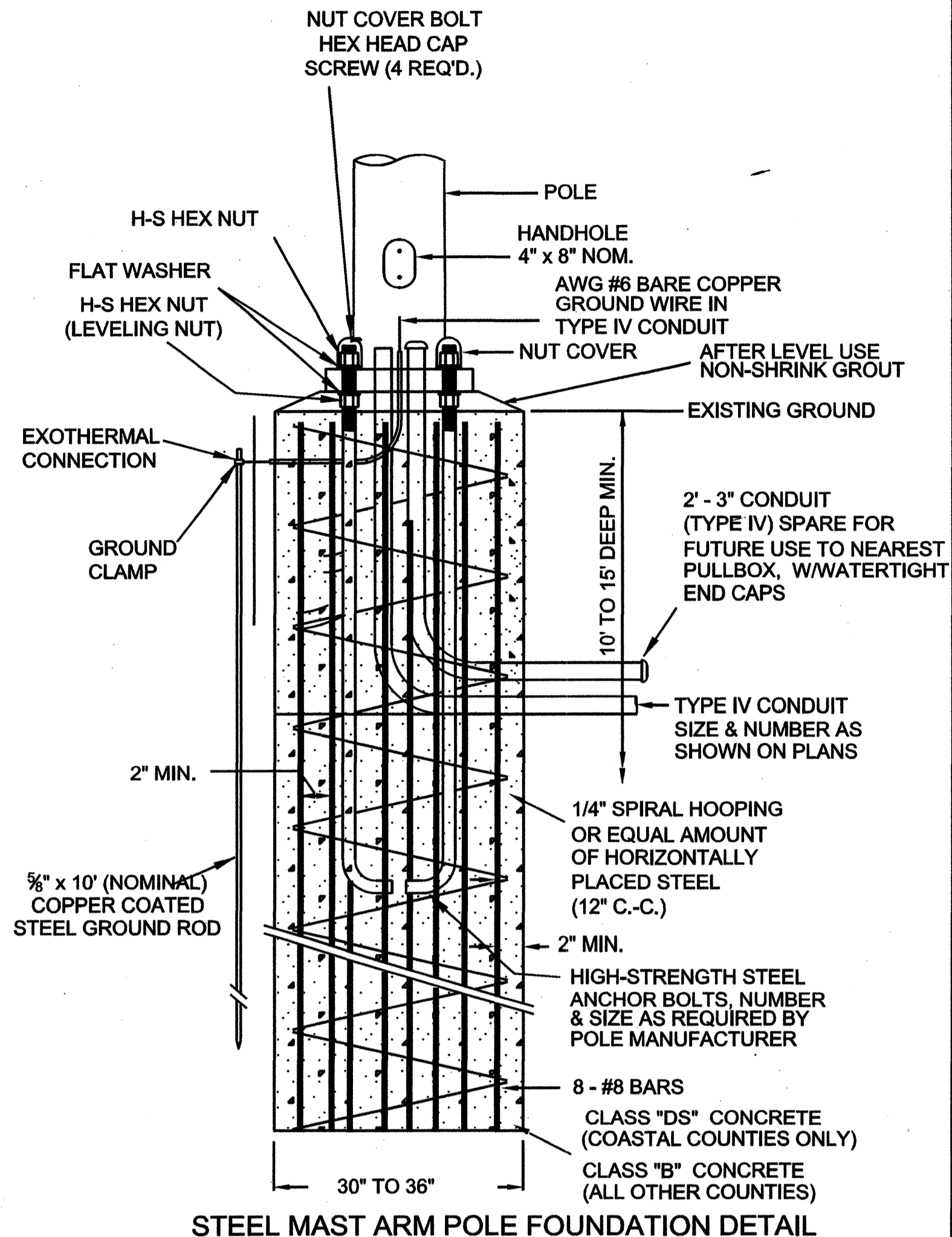
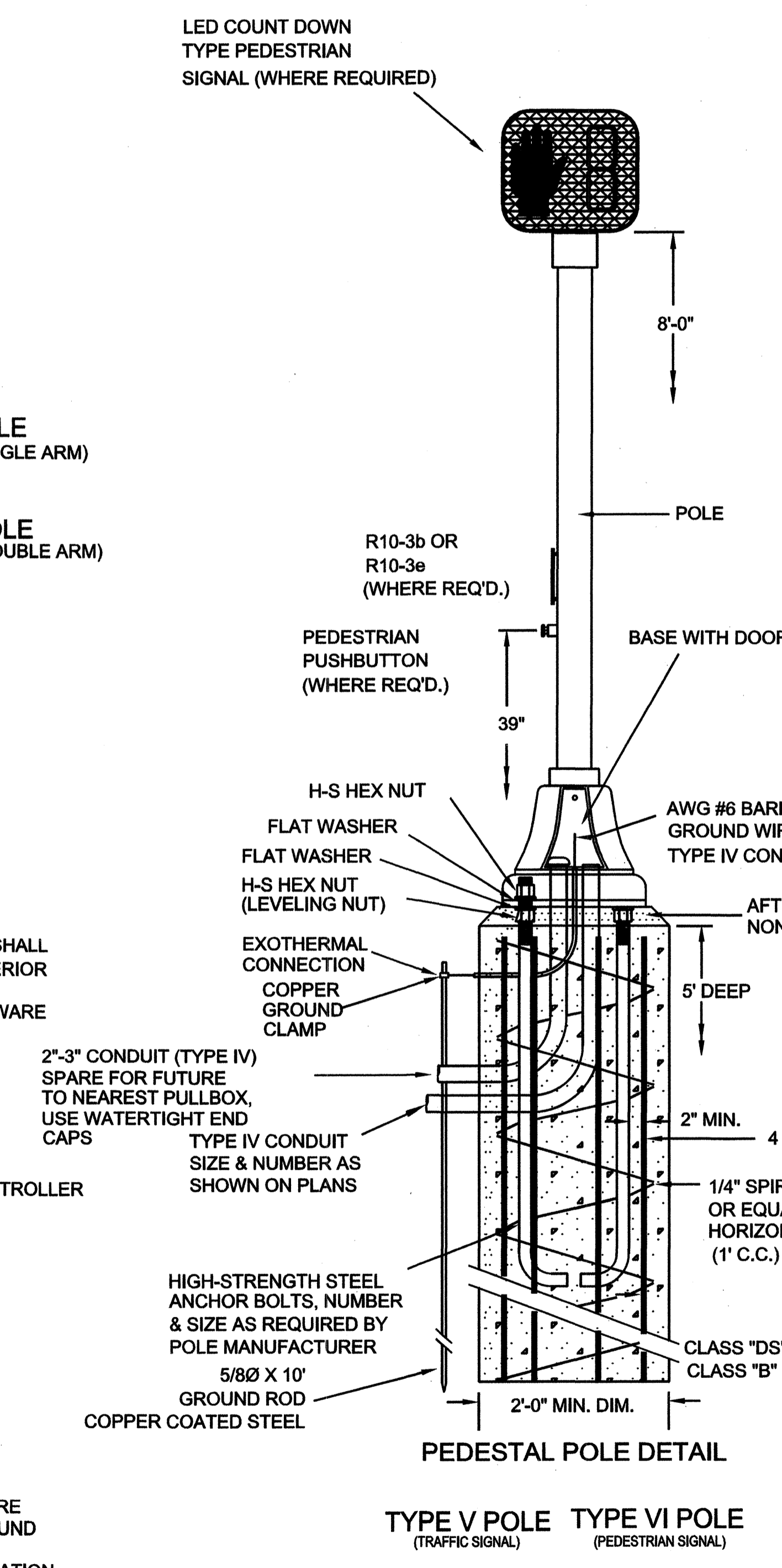
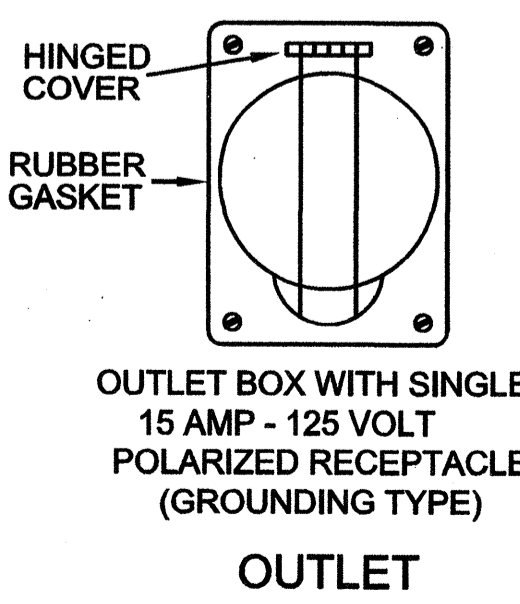
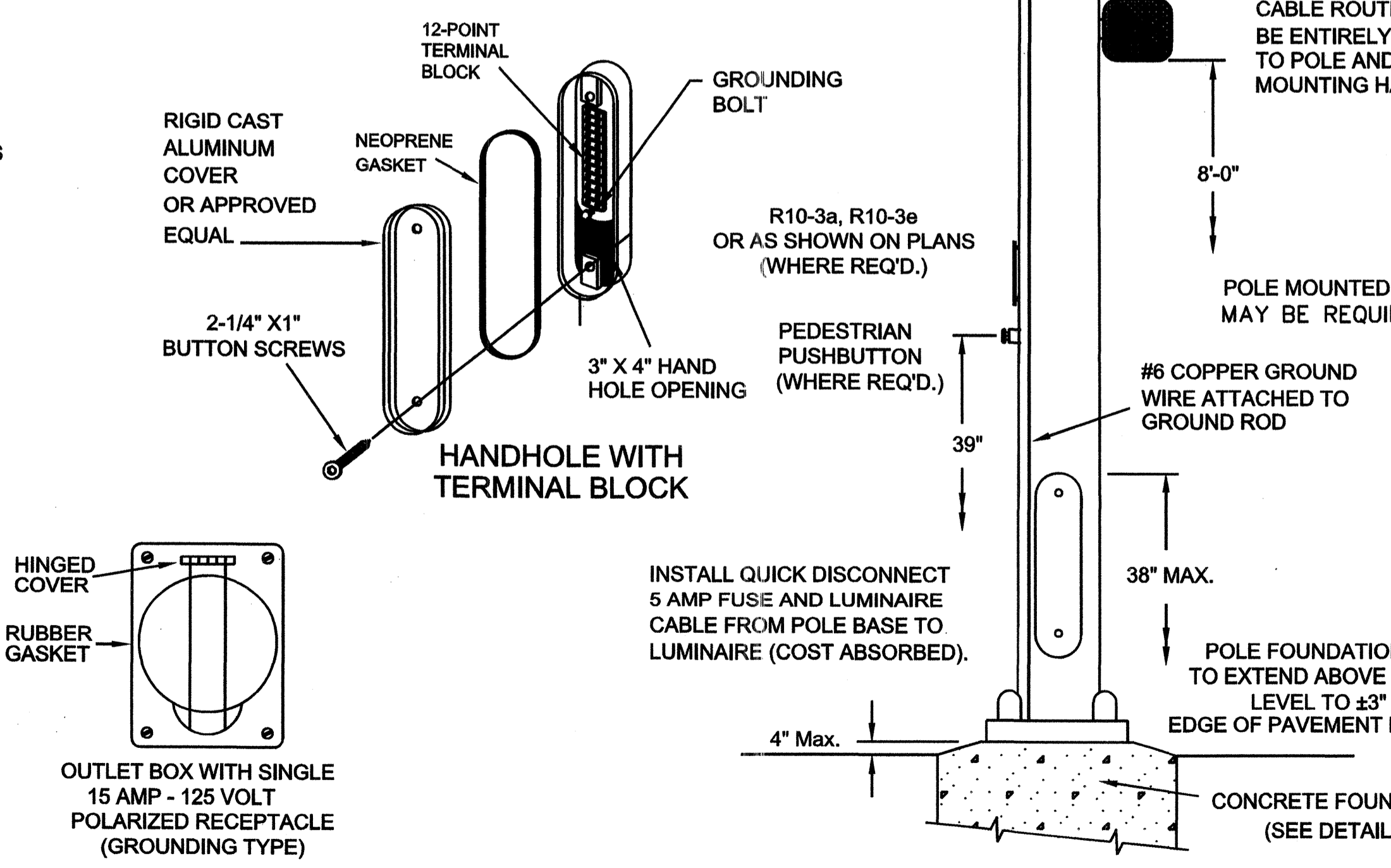
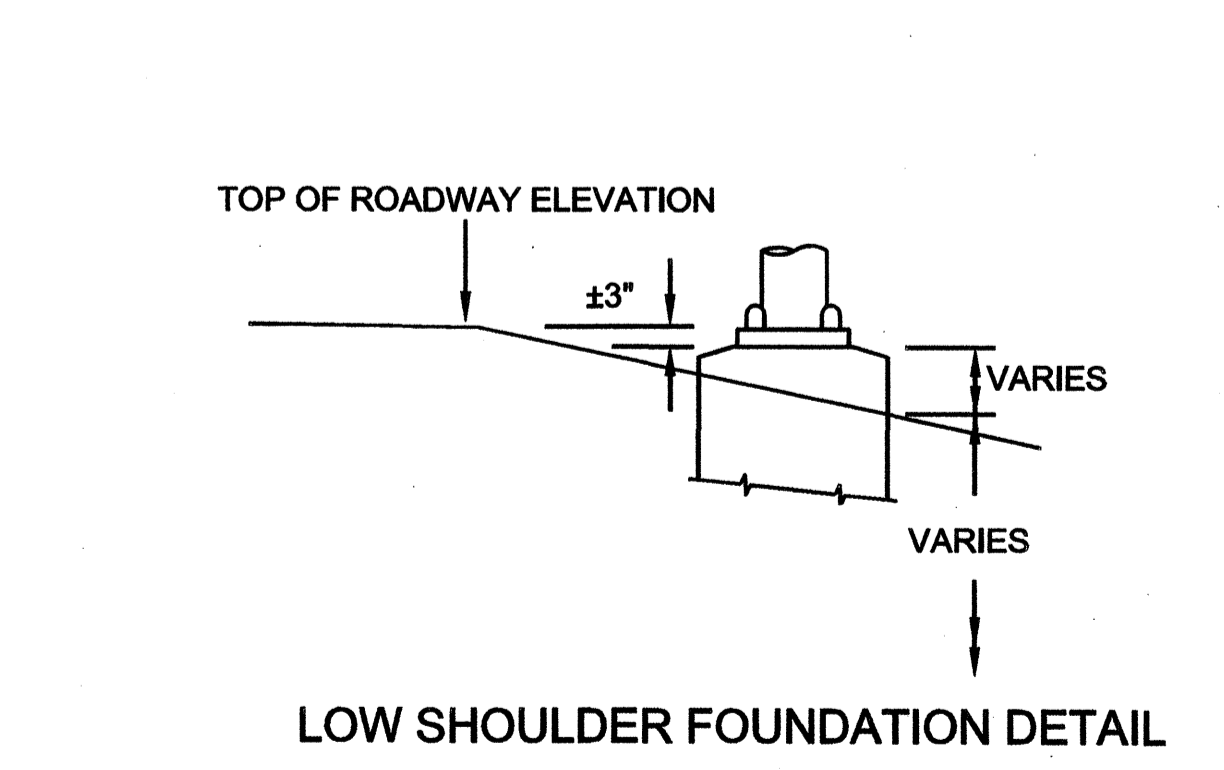


- NOTES:
1. WIRE ENTRANCE TO MAST ARM WILL BE FIELD DRILLED TO CORRESPOND TO THE LOCATION OF THE SIGNAL HEADS WHEN ALIGNED IN FIELD.
 2. RED SECTION INDICATIONS TO BE APPROXIMATELY SAME HEIGHT.
 3. EXACT DIMENSIONS AND LOCATIONS OF ANCHOR BOLTS TO BE SUPPLIED BY THE POLE MANUFACTURER.
 4. THE CONTRACTOR SHALL PROVIDE MAST ARM POLE DESIGN CERTIFICATION AND CALCULATIONS AS OUTLINED IN SECTION 722.02 OF STANDARD SPECIFICATIONS. DESIGN STANDARD FOR MAST ARMS POLES SHALL BE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. USE FATIGUE CATEGORY II. DO NOT CONSIDER GALLOPING OR TRUCK FORCES. USE 50 YEAR DESIGN LIFE. WIND AND ICE LOADS VARIABLE BASED UPON MAPS IN THE 2001 AASHTO SPECIFICATION. USE UPSWEPT MAST ARMS.
 5. #6 COPPER GROUND WIRE INSIDE POLE AND MAST ARM TO BE COST ABSORBED.



HEIGHT = 1'-6" FOR SINGLE NAME, 2'-0" FOR 2 NAMES
 THICKNESS = 0.1" WHITE TYPE IX SHEETING ON GREEN TYPE III SHEETING

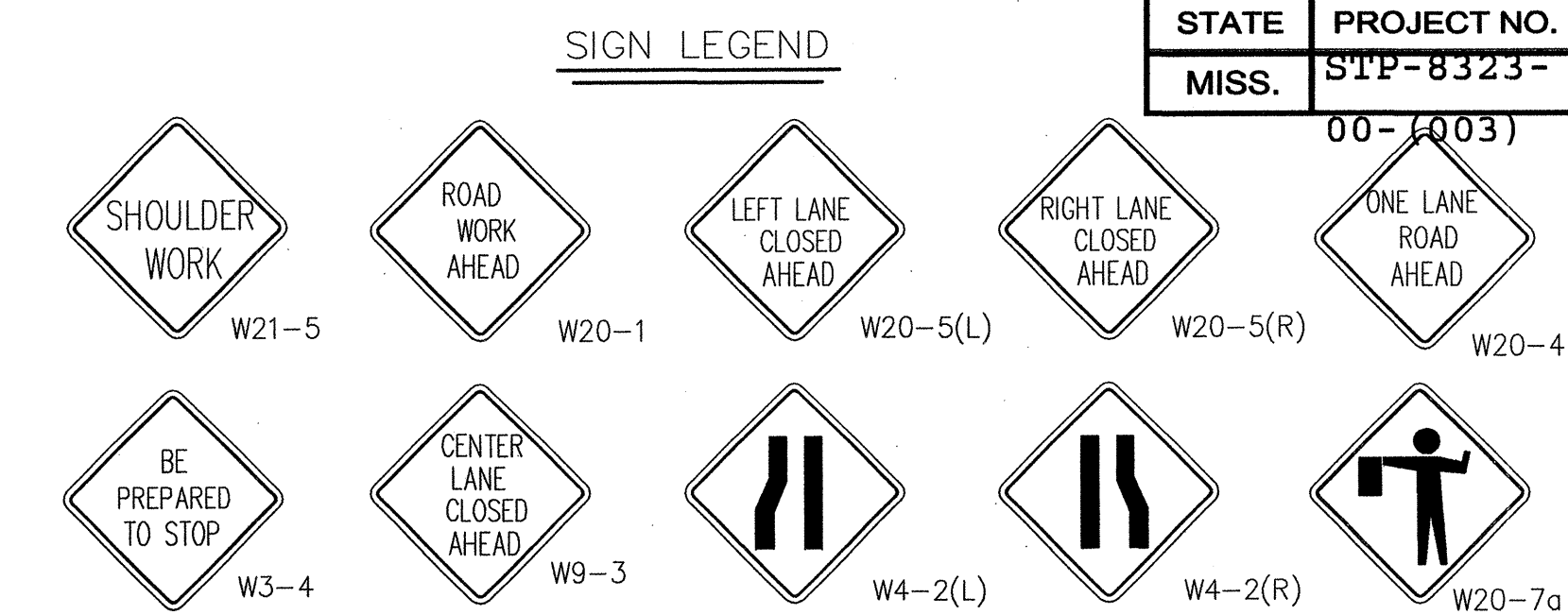
8" UPPER CASE, 6" LOWER CASE LETTERS; SERIES "C"
 STREET NAME SIGNS REQUIRE A MINIMUM OF 2 MOUNTING BRACKETS (30" MAXIMUM SPACING BETWEEN BRACKETS) (COST ABSORBED)



- GENERAL FOUNDATION NOTES**
1. EXACT DIMENSIONS AND LOCATIONS OF ANCHOR BOLTS TO BE SUPPLIED BY THE MANUFACTURER. ANY FOUNDATIONS FAILING TO MEET MINIMUM DIMENSIONS WILL BE REJECTED.
 2. DRY SHAFT EXCAVATION MUST MEET REQUIREMENTS OF SECTION 803.03.2.3.2. IF GROUNDWATER OR HOLE INSTABILITY IS ENCOUNTERED, SLIP CASING AND 10' TREMIE SHALL BE REQUIRED.
 3. WIND LOAD DETERMINES SHAFT DIAMETER AND DEPTH:
 - ALL TYPE IV 30" POLE SHAFT - USE 36" DIAMETER, 15' DEPTH
 - COASTAL COUNTIES (140mph) - 36" DIAMETER, 15' DEPTH WITH SLIP CASING.
 - 100mph to 130mph - 36" DIAMETER, 15' DEPTH, SLIP CASING NOT REQUIRED
 - ALL OTHER COUNTIES (90mph) - SINGLE MAST ARM: 30" DIAMETER, 10' DEPTH
DOUBLE MAST ARM: 36" DIAMETER, 12' DEPTH
*SEE WIND LOAD MAP IN 2001 AASHTO GUIDELINES.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	
PROJECT NO.:	STP-8323-00-(003) /
COUNTY:	MADISON
FILENAME:	104840-701000
DESIGN TEAM	CHECKED
DATE	DATE
WORKING NUMBER	TSD-6
SHEET NUMBER	57

STATE	PROJECT NO.
MISS.	STP-8323-00-(003)



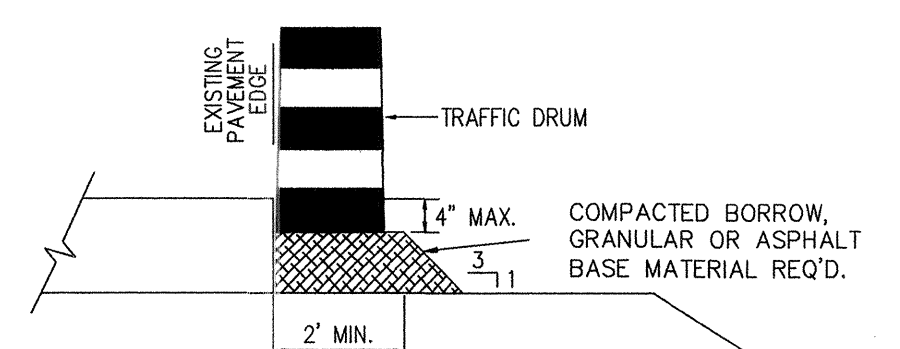
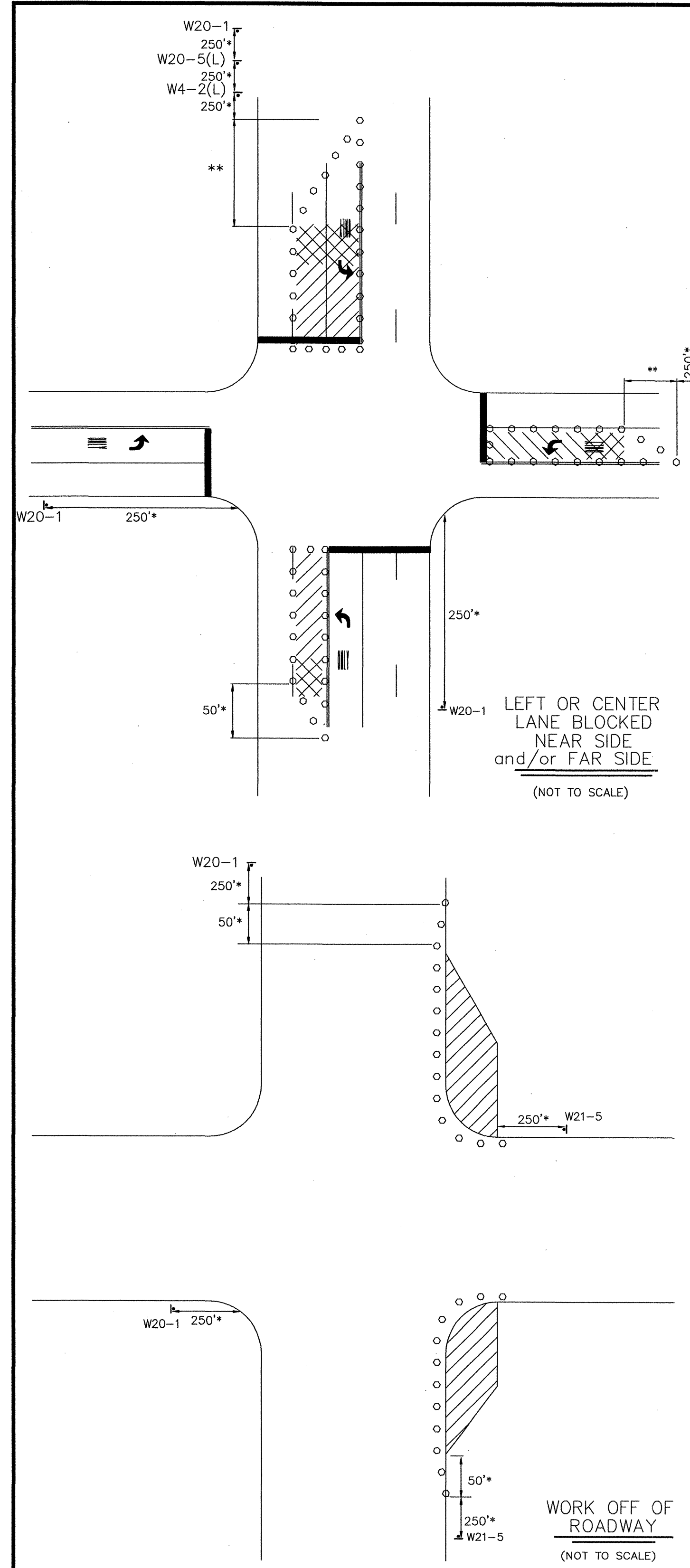
GENERAL NOTES

- ADDITIONAL ADVANCE WARNING SIGNS MAY BE NECESSARY. ANY ADDITIONAL SIGNS SHOULD BE INCLUDED UNDER PAY ITEM 618-A, MAINTENANCE OF TRAFFIC.
- POST MOUNTED SIGNS SHALL HAVE A 7' MINIMUM MOUNTING HEIGHT.
- PAYMENT FOR ALL SIGNS, CONES, DRUMS, CONCRETE BARRIERS, STEEL PLATES AND OTHER MATERIALS, BARRICADES, LABOR AND INCIDENTALS REQUIRED TO IMPLEMENT THE TRAFFIC CONTROL PLAN SHALL BE INCLUDED UNDER PAY ITEM 618-A, MAINTENANCE OF TRAFFIC.
- APPROACH SIDE TRAFFIC CONTROL TO BE USED WHEN WORK OCCURS ON EITHER THE APPROACH SIDE OR THE FAR SIDE OF THE INTERSECTION. FAR SIDE TRAFFIC CONTROL IS NOT NEEDED WHEN WORK IS CONFINED TO THE APPROACH SIDE ONLY.
- FOR A DIVIDED HIGHWAY SITUATION, A SECOND SET OF ADVANCE WARNING SIGNS SHALL BE ERECTED IN MEDIAN AREA (8' MIN. MEDIAN WIDTH REQUIRED).

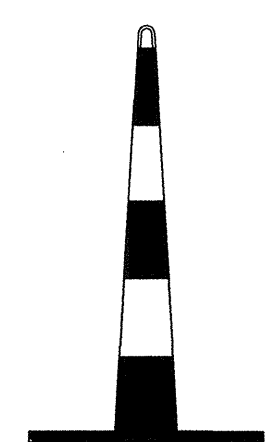
LEGEND

- DRUMS (30' MAXIMUM SPACING) - CONES SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF TEN (10) POUNDS. CONES USED IN SPEED ZONES EQUAL TO OR GREATER THAN 45 MPH SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF FIFTEEN (15) POUNDS. ALL CONES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
- SIGNS - SEE SIGN LEGEND MIN. SIZE 48" x 48", BLACK ON ORANGE BACKGROUND
- FLAGGER WITH PADDLE - 18" STOP/SLOW PADDLES ACCEPTED AS PROPER TRAFFIC CONTROL DEVICES SHALL BE USED. HANDHELD FLAGS SHALL NOT BE FOR FLAGGING OPERATION.

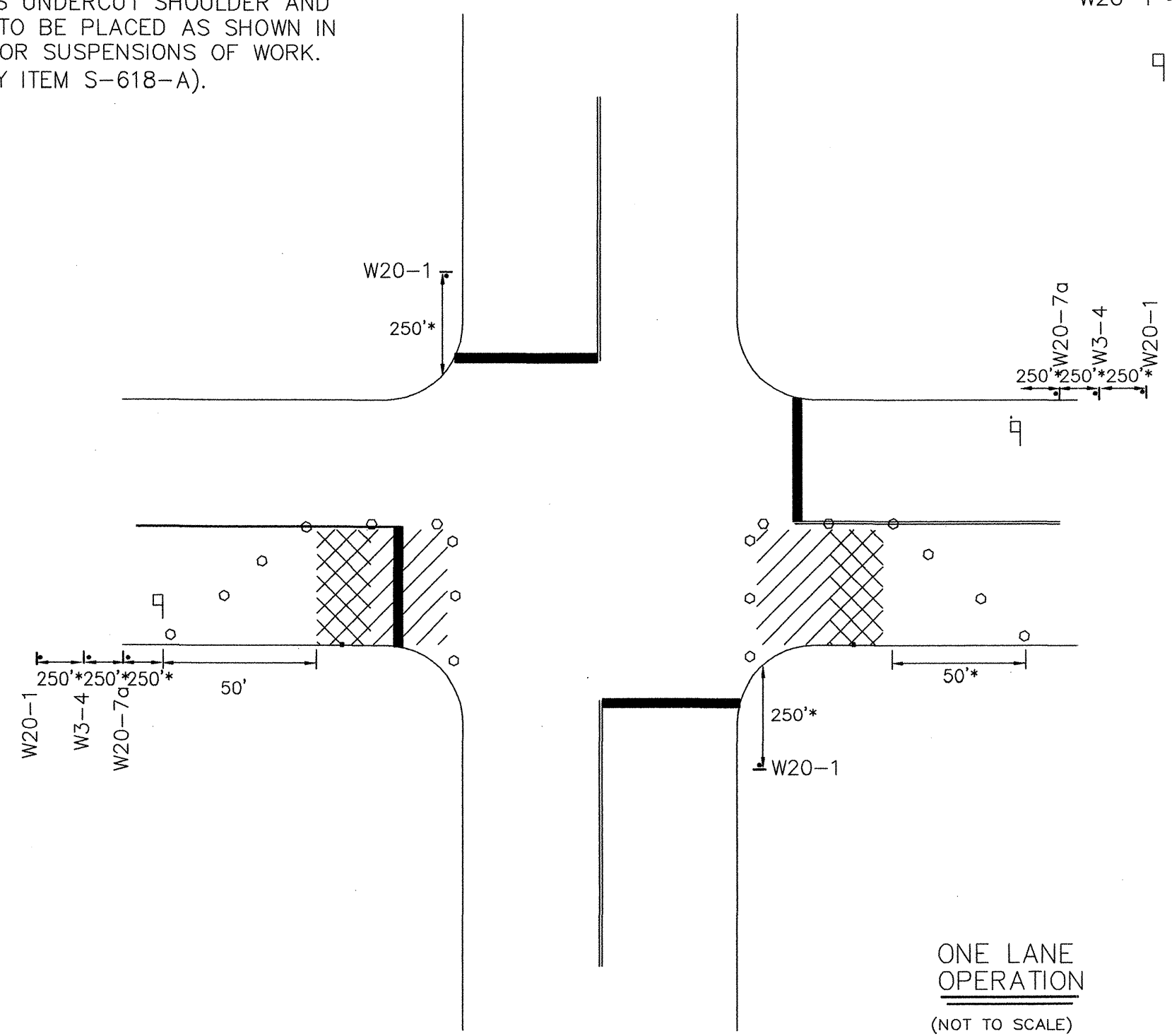
M.P.H.	FEET	TAPER LENGTH (Feet) (Per 12' Lane Shift)
20	115	80
25	155	125
30	200	180
35	250	245
40	305	320
45	360	540
50	425	600
55	495	660
60	570	720
65	645	780
70	730	



DRUM PLACEMENT ON LOW SHOULDERS OR WIDENING
 CONTRACTOR SHALL PLACE PLASTIC DRUMS ADJACENT TO ROADWAY IN AREAS WHERE THE WIDENING HAS NOT BEEN CONSTRUCTED TO WITHIN TWO INCHES OF EXISTING PAVEMENT ELEVATIONS. DRUMS REQUIRED WHERE WORK ZONE INCLUDES UNDERCUT SHOULDER AND REMOVAL OF CURB & GUTTER. DRUMS TO BE PLACED AS SHOWN IN DETAILS, LEFT FOR NIGHT OPERATION OR SUSPENSIONS OF WORK. COST TO BE ABSORBED (PAY ITEM S-618-A).



TRAFFIC CONE
 CONES SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF TEN (10) POUNDS. CONES USED IN SPEED ZONES EQUAL TO OR GREATER THAN 45 MPH SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF FIFTEEN (15) POUNDS. ALL CONES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)	
STP-8323-00-(003) /	
PROJECT NO.: 104840-701000	
COUNTY: MADISON	
DATE	BY
DESIGN TEAM	CHECKED
DATE	DATE
WORKING NUMBER	TSD-7
SHEET NUMBER	58

STATE	PROJECT NO.
MISS.	STP-8323-00-(003) 104840-701000

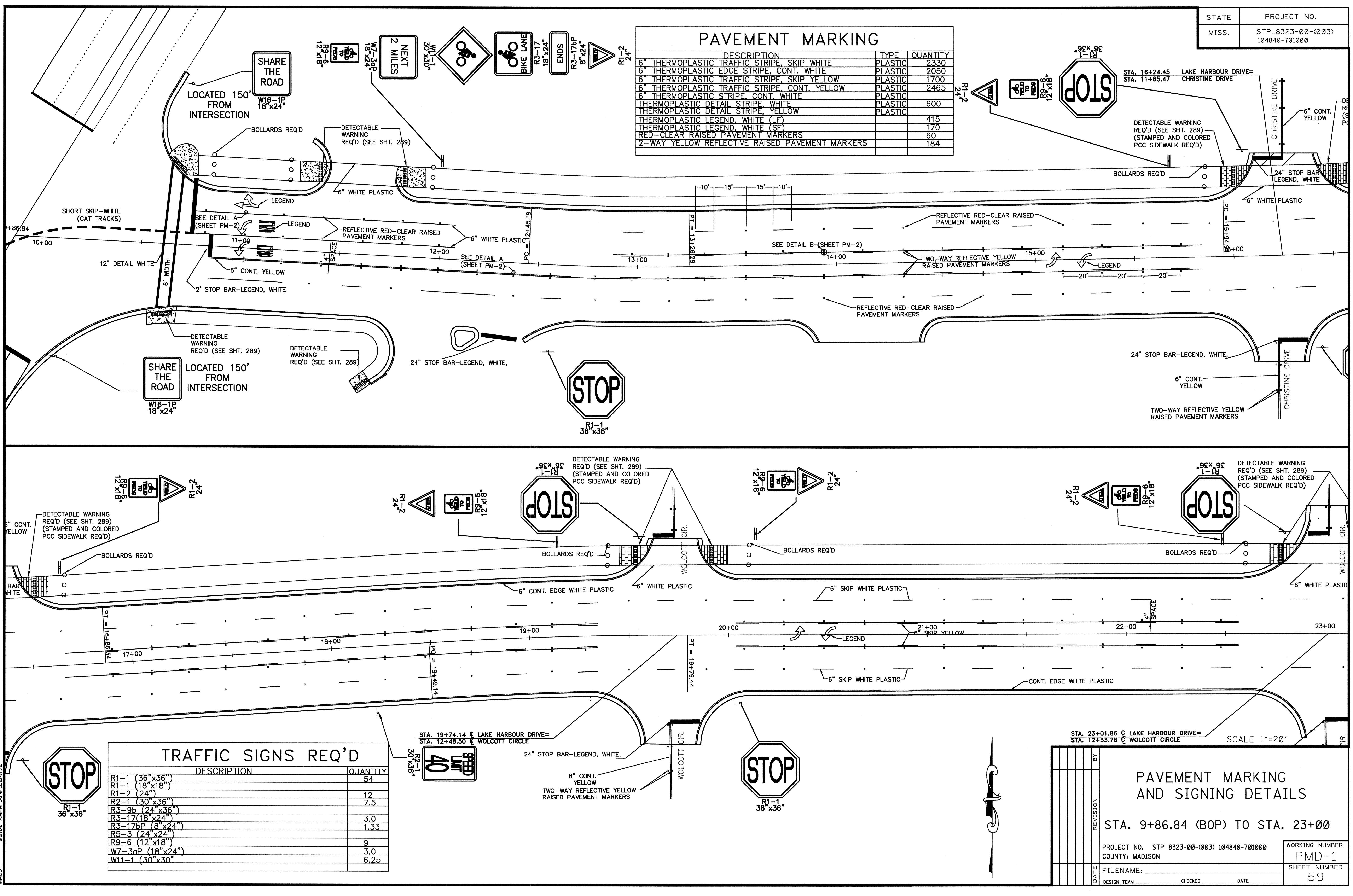
PAVEMENT MARKING

DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	2330
6" THERMOPLASTIC EDGE STRIPE, CONT. WHITE	PLASTIC	2050
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	1700
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	2465
6" THERMOPLASTIC STRIPE, CONT. WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, WHITE	PLASTIC	600
THERMOPLASTIC DETAIL STRIPE, YELLOW	PLASTIC	
THERMOPLASTIC LEGEND, WHITE (LF)		415
THERMOPLASTIC LEGEND, WHITE (SF)		170
RED-CLEAR RAISED PAVEMENT MARKERS		60
2-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		184

TRAFFIC SIGNS REQ'D

DESCRIPTION	QUANTITY
R1-1 (36" x 36")	54
R1-1 (18" x 18")	12
R1-2 (24")	7.5
R2-1 (30" x 36")	3.0
R3-9b (24" x 36")	1.33
R3-17 (18" x 24")	
R3-17bP (8" x 24")	
R5-3 (24" x 24")	9
R9-6 (12" x 18")	3.0
W7-3aP (18" x 24")	6.25
W11-1 (30" x 30")	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 PLAN
 02/02 AMPM DGNFILENAME
 MDDYY



PAVEMENT MARKING AND SIGNING DETAILS

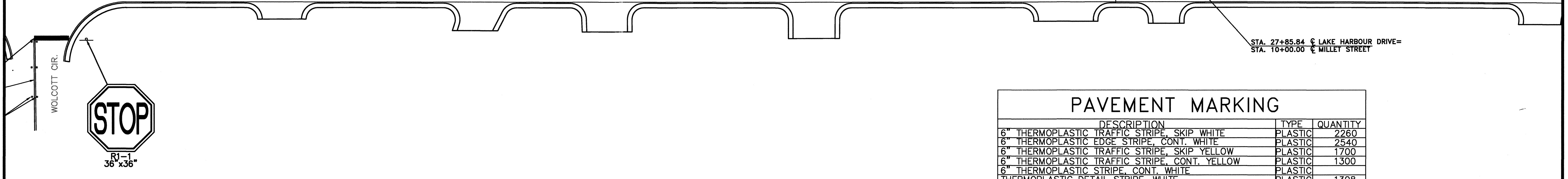
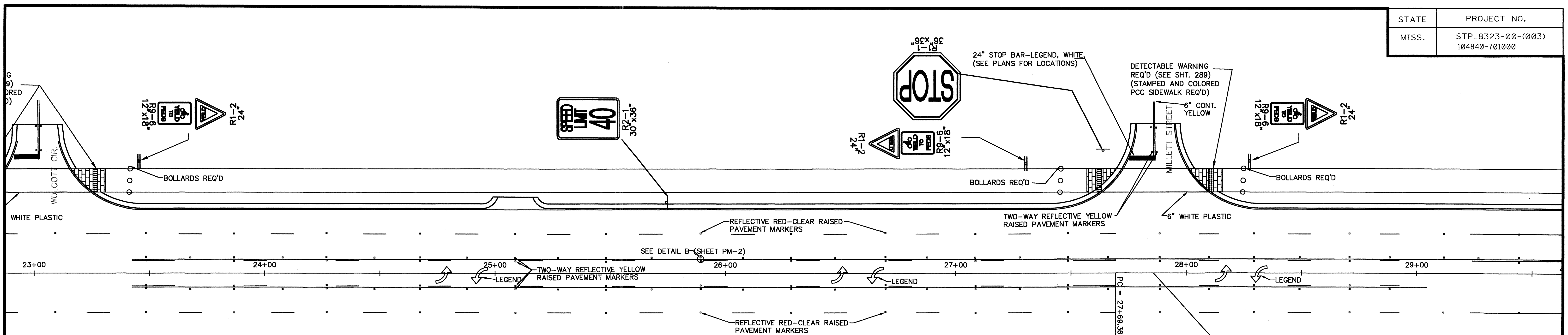
STA. 9+86.84 (BOP) TO STA. 23+00

PROJECT NO. STP 8323-00-(003) 104840-701000
 COUNTY: MADISON

FILENAME: _____
 DESIGN TEAM _____ CHECKED _____ DATE _____

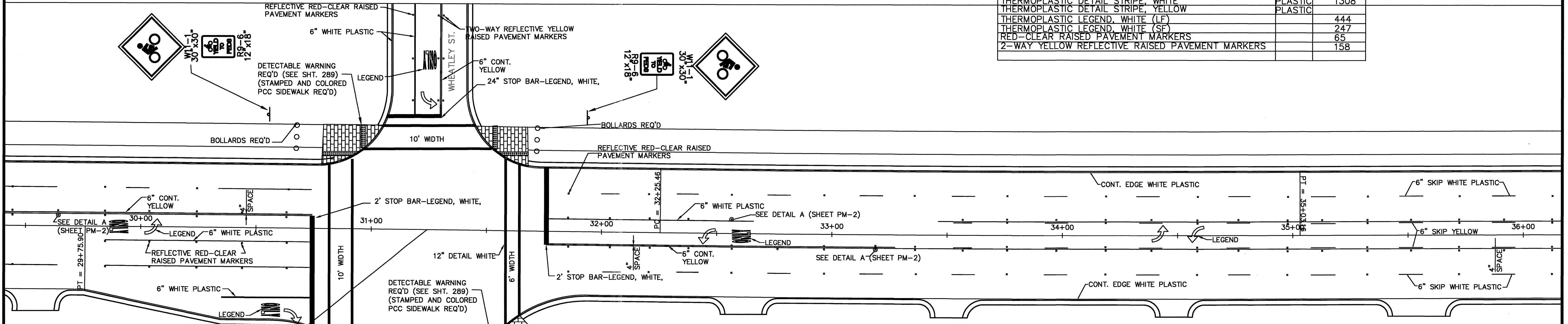
WORKING NUMBER: PMD-1
 SHEET NUMBER: 59

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



PAVEMENT MARKING

DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	2260
6" THERMOPLASTIC EDGE STRIPE, CONT. WHITE	PLASTIC	2540
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	1700
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	1300
6" THERMOPLASTIC STRIPE, CONT. WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, WHITE	PLASTIC	1308
THERMOPLASTIC DETAIL STRIPE, YELLOW	PLASTIC	
THERMOPLASTIC LEGEND, WHITE (LF)		444
THERMOPLASTIC LEGEND, WHITE (SF)		247
RED-CLEAR RAISED PAVEMENT MARKERS		65
2-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		158



TRAFFIC SIGNS REQ'D

DESCRIPTION	QUANTITY
R1-1 (36" x 36")	18
R1-1 (18" x 18")	
R1-2 (24")	6
R2-1 (30" x 36")	7.5
R3-9b (24" x 36")	
R5-3 (24" x 24")	
R9-6 (12" x 18")	7.5
W11-1 (30" x 30")	12.5

SCALE 1"=20'

PAVEMENT MARKING AND SIGNING DETAILS

STA. 23+00 TO STA. 36+00

PROJECT NO. STP 8323-00-(003) 104840-701000	WORKING NUMBER PMD-2
COUNTY: MADISON	SHEET NUMBER 60
FILENAME:	DESIGN TEAM
CHECKED	DATE

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION MDDY 02/02 AMPM DGNFILENAME

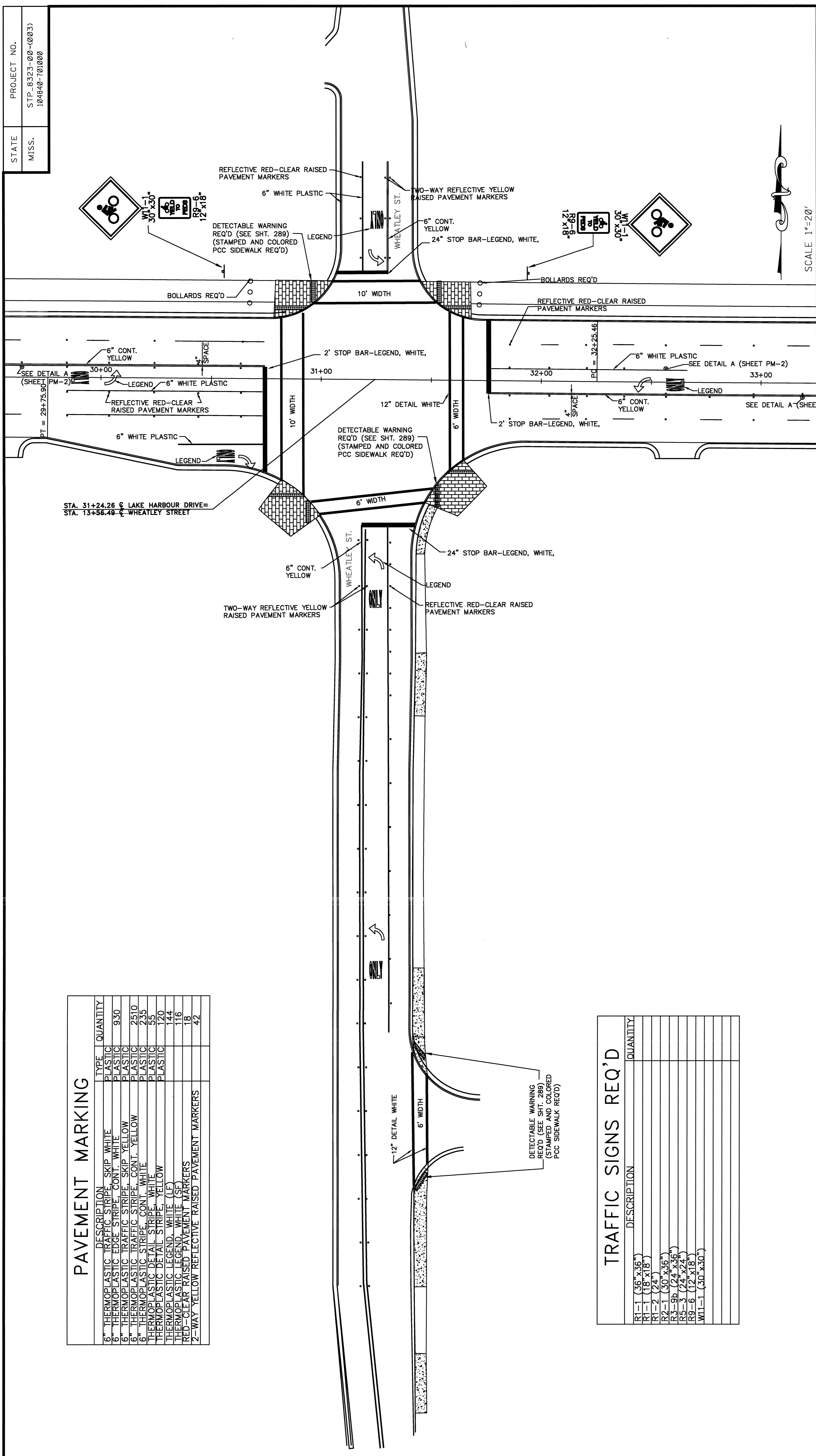
STATE	PROJECT NO.
MISS.	STP-8323-00-(003)
	104840-701000

PAVEMENT MARKING

DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. WHITE	PLASTIC	930
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	2510
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. WHITE	PLASTIC	235
6" THERMOPLASTIC TRAFFIC STRIPE, WHITE	PLASTIC	55
6" THERMOPLASTIC TRAFFIC STRIPE, YELLOW	PLASTIC	120
6" THERMOPLASTIC LEGEND, WHITE (LF)		144
6" THERMOPLASTIC LEGEND, WHITE (SF)		116
RED-CLEAR RAISED PAVEMENT MARKERS		18
2-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		42

TRAFFIC SIGNS REQ'D

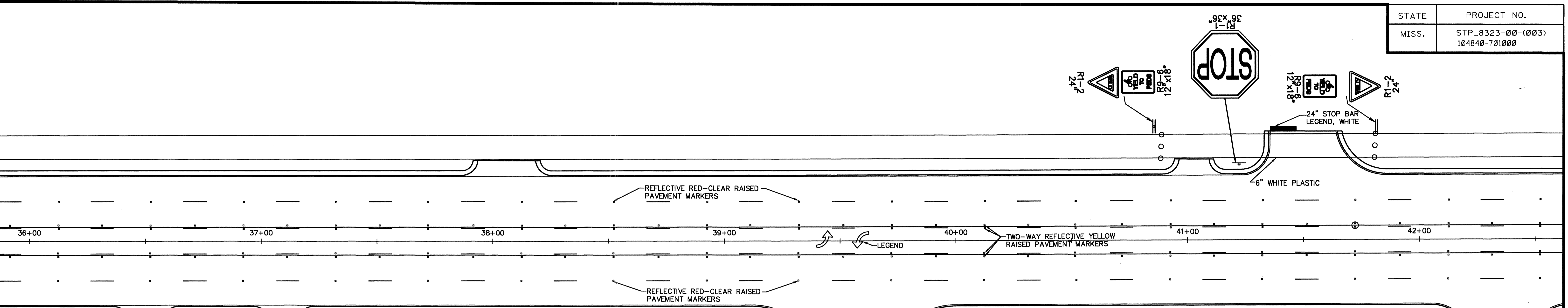
DESCRIPTION	QUANTITY
R1-1 (36" x 36")	
R1-1 (18" x 18")	
R1-2 (24")	
R2-1 (30" x 36")	
R3-9b (24" x 36")	
R5-3 (24" x 24")	
R9-6 (12" x 18")	
W11-1 (30" x 30")	



PAVEMENT MARKING AND SIGNING DETAILS

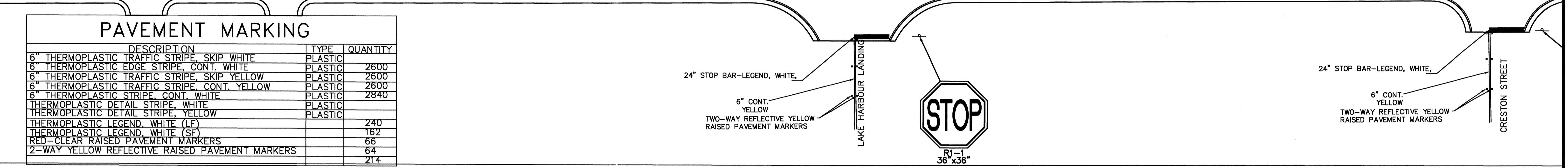
WHEATLEY STREET

PROJECT NO.	STP 8323-00-(003) 104840-701000
COUNTY:	MADISON
WORKING NUMBER	PMD-2A
SHEET NUMBER	61
FILENAME:	
DESIGN TEAM	
CHECKED	
DATE	



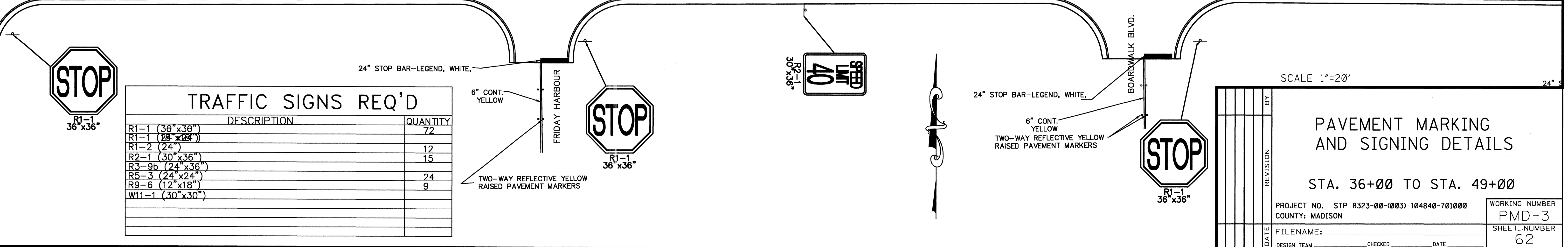
PAVEMENT MARKING

DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	
6" THERMOPLASTIC EDGE STRIPE, CONT. WHITE	PLASTIC	2600
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	2600
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	2600
6" THERMOPLASTIC STRIPE, CONT. WHITE	PLASTIC	2840
THERMOPLASTIC DETAIL STRIPE, WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, YELLOW	PLASTIC	
THERMOPLASTIC LEGEND, WHITE (LF)		240
THERMOPLASTIC LEGEND, WHITE (SF)		162
RED-CLEAR RAISED PAVEMENT MARKERS		66
2-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		64
		214



TRAFFIC SIGNS REQ'D

DESCRIPTION	QUANTITY
R1-1 (36"x36")	72
R1-1 (24"x24")	12
R1-2 (24")	15
R2-1 (30"x36")	
R3-9b (24"x36")	
R5-3 (24"x24")	24
R9-6 (12"x18")	9
W11-1 (30"x30")	



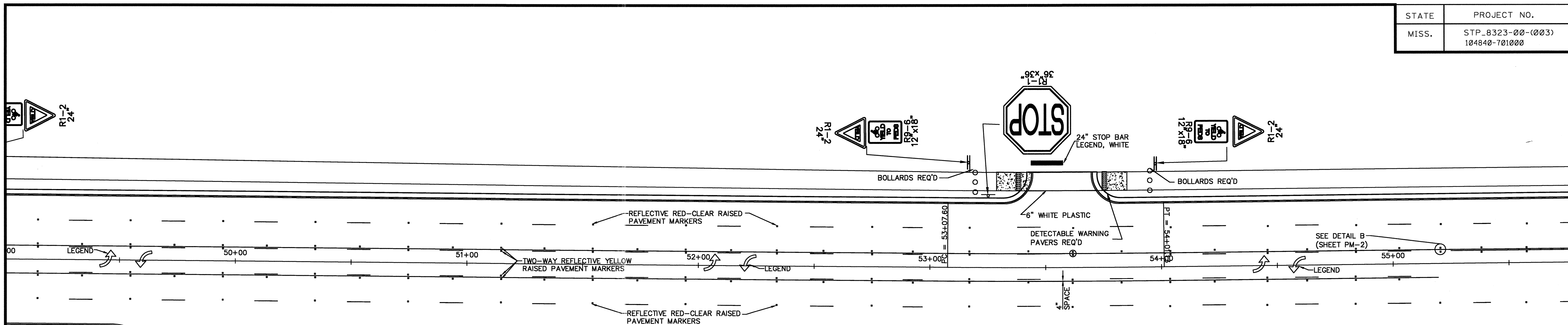
SCALE 1"=20'

PAVEMENT MARKING AND SIGNING DETAILS

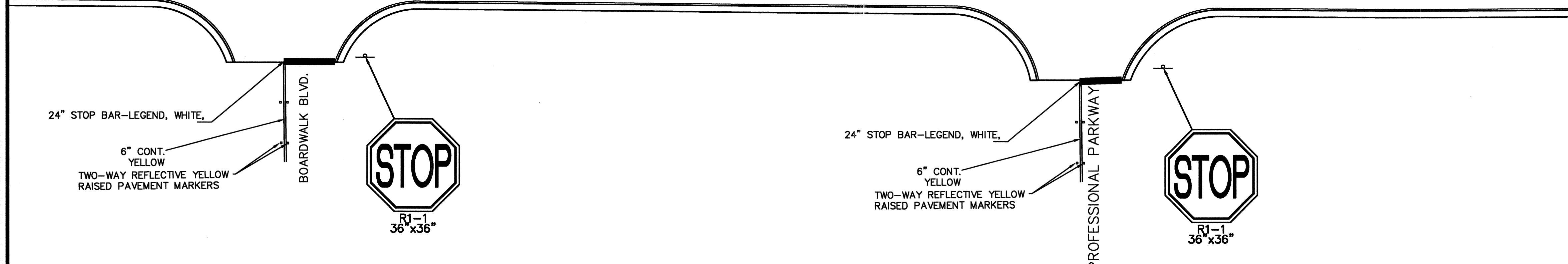
STA. 36+00 TO STA. 49+00

PROJECT NO.	STP 8323-00-(003) 104840-701000	WORKING NUMBER	PMD-3
COUNTY:	MADISON	SHEET NUMBER	62
FILENAME:		DATE:	
DESIGN TEAM:		CHECKED:	

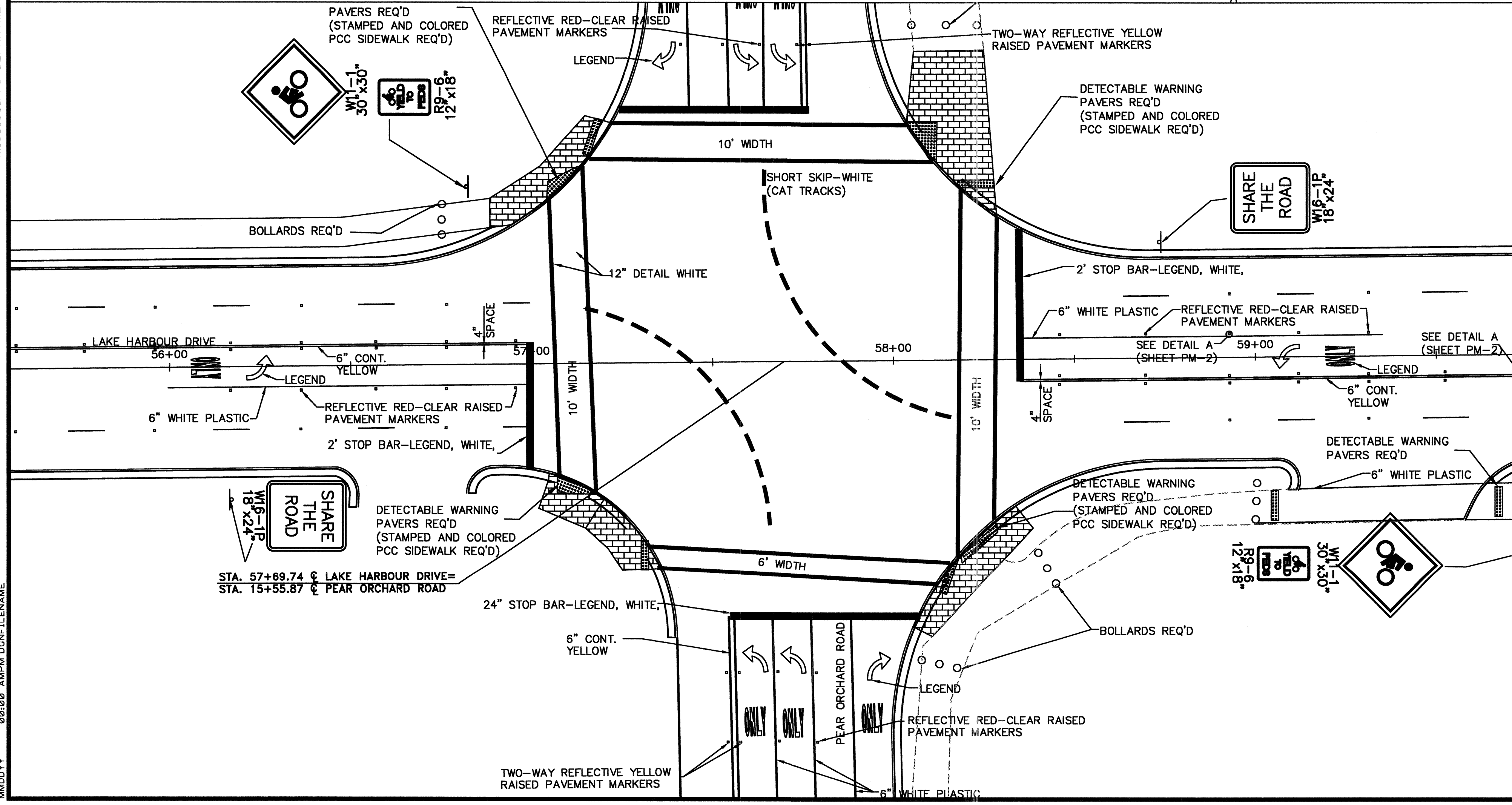
PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 08/16/08 ANPM DGNLENAME MDDYY



PAVEMENT MARKING		
DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	2400
6" THERMOPLASTIC EDGE STRIPE, CONT. WHITE	PLASTIC	2400
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	1300
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	2208
6" THERMOPLASTIC STRIPE, CONT. WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, WHITE	PLASTIC	1559
THERMOPLASTIC DETAIL STRIPE, YELLOW	PLASTIC	120
THERMOPLASTIC LEGEND, WHITE (LF)		804
THERMOPLASTIC LEGEND, WHITE (SF)		208
RED-CLEAR RAISED PAVEMENT MARKERS		75
2-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		188



TRAFFIC SIGNS REQ'D	
DESCRIPTION	QUANTITY
R1-1 (36"x36")	27
R1-1 (18"x18")	
R1-2 (24")	4
R2-1 (30"x36")	0
R3-9b (24"x36")	
R5-3 (24"x24")	16
R9-6 (12"x18")	6
W11-1 (30"x30")	12.5



SCALE 1"=20'

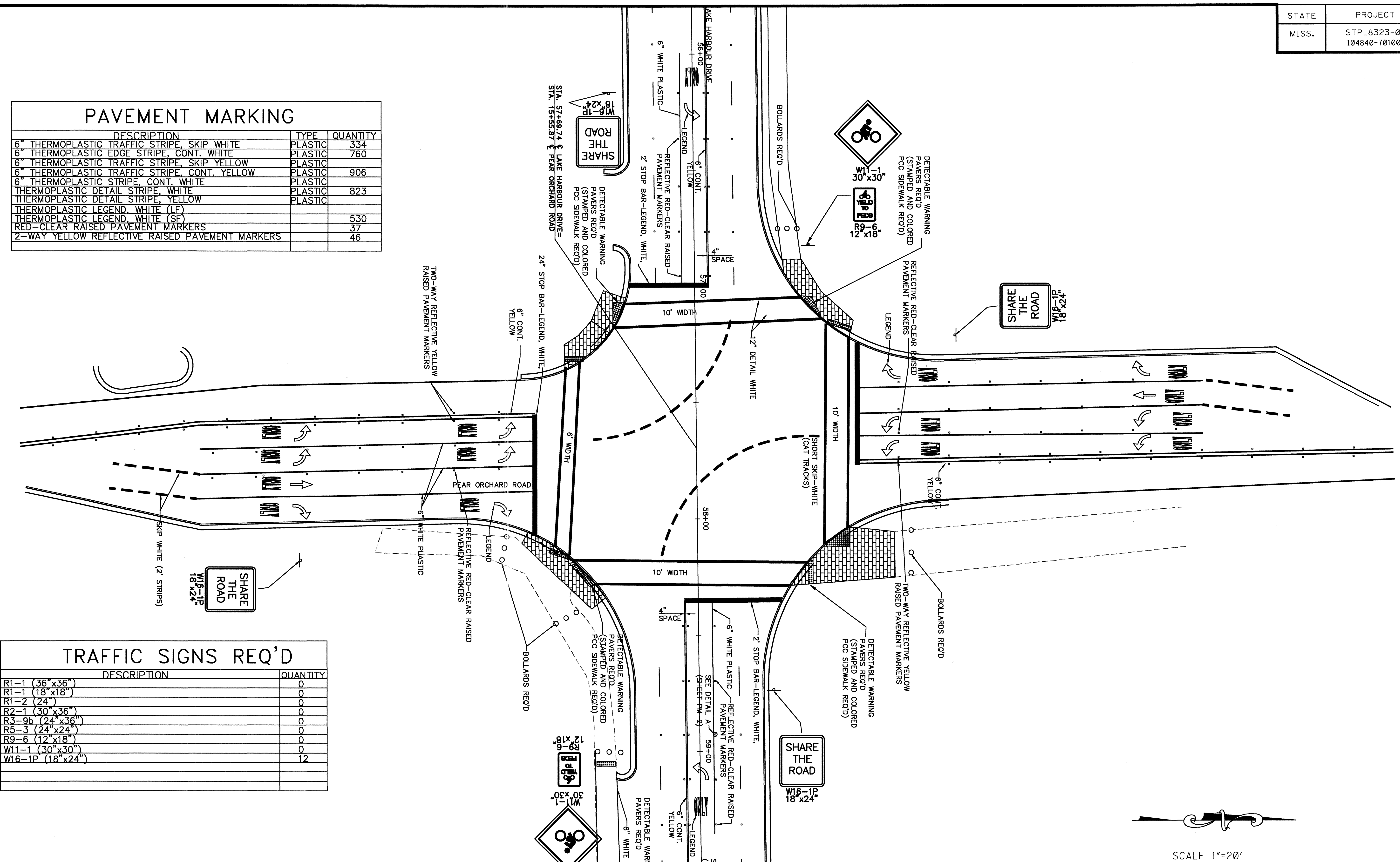
PAVEMENT MARKING AND SIGNING DETAILS	
STA 49+00 TO STA. 62+00	
PROJECT NO. STP 8323-00-(003) 104840-701000	WORKING NUMBER PMD-4
COUNTY: MADISON	SHEET NUMBER 63
DATE: _____	DESIGN TEAM: _____
CHECKED: _____	DATE: _____

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 MMDYY 08/08 AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

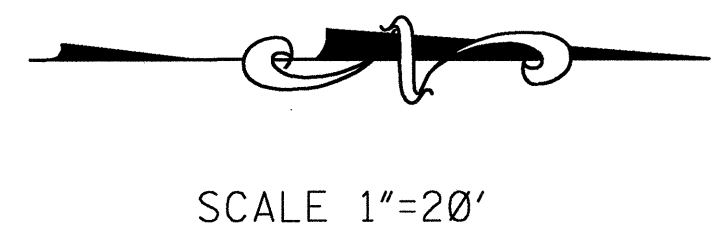
PAVEMENT MARKING

DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	334
6" THERMOPLASTIC EDGE STRIPE, CONT. WHITE	PLASTIC	760
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	906
6" THERMOPLASTIC STRIPE, CONT. WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, WHITE	PLASTIC	823
THERMOPLASTIC DETAIL STRIPE, YELLOW	PLASTIC	
THERMOPLASTIC LEGEND, WHITE (LF)		530
THERMOPLASTIC LEGEND, WHITE (SF)		37
RED-CLEAR RAISED PAVEMENT MARKERS		46
Z-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		



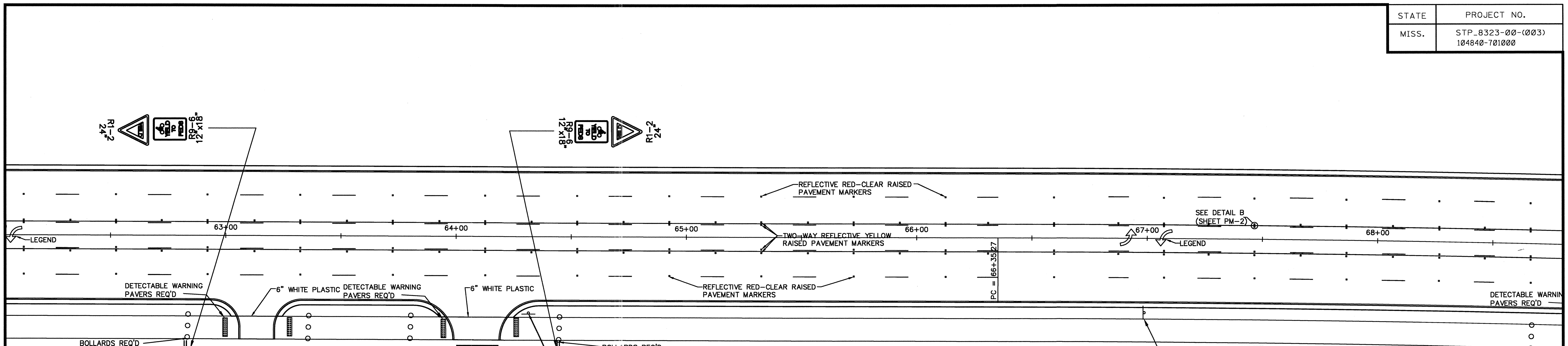
TRAFFIC SIGNS REQ'D

DESCRIPTION	QUANTITY
R1-1 (36"x36")	0
R1-1 (18"x18")	0
R1-2 (24")	0
R2-1 (30"x36")	0
R3-9b (24"x36")	0
R5-3 (24"x24")	0
R9-6 (12"x18")	0
W11-1 (30"x30")	0
W16-1P (18"x24")	12



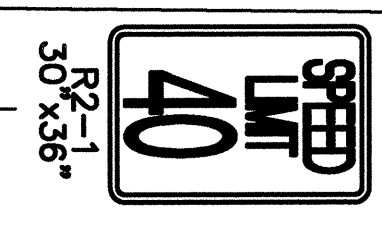
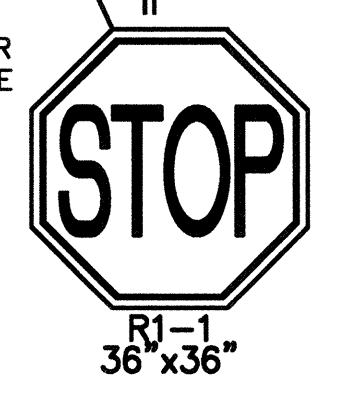
PAVEMENT MARKING AND SIGNING DETAILS	
PEAR ORCHARD ROAD	
PROJECT NO. STP 8323-00-(003) 104840-701000	
COUNTY: MADISON	
FILENAME:	WORKING NUMBER
DESIGN TEAM	PMD-4A
CHECKED	SHEET NUMBER
DATE	64

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 06/02 AMPM.DGNFILENAME MDDYY

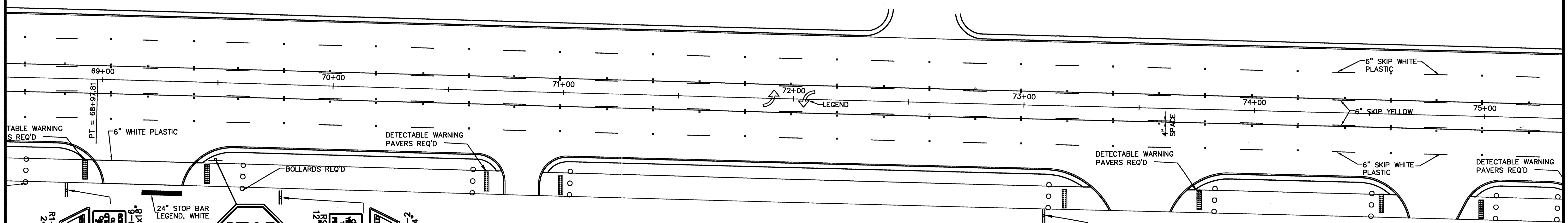


PAVEMENT MARKING

DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	2600
6" THERMOPLASTIC EDGE STRIPE, CONT. WHITE	PLASTIC	2600
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	2600
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	2600
6" THERMOPLASTIC STRIPE, CONT. WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, YELLOW	PLASTIC	
THERMOPLASTIC LEGEND, WHITE (LF)		66
THERMOPLASTIC LEGEND, WHITE (SF)		66
RED-CLEAR RAISED PAVEMENT MARKERS		66
2-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		198

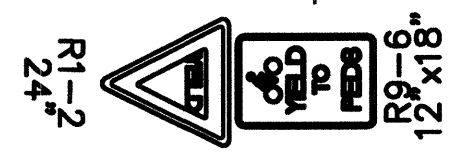
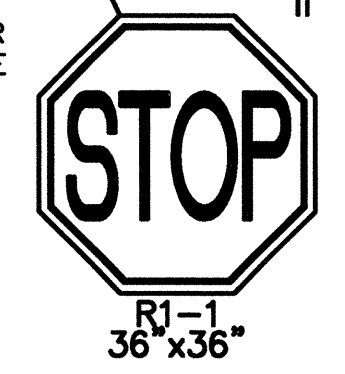


MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 PLAN
 08/02 AMPM.DGN/FILENAME
 MDDYY



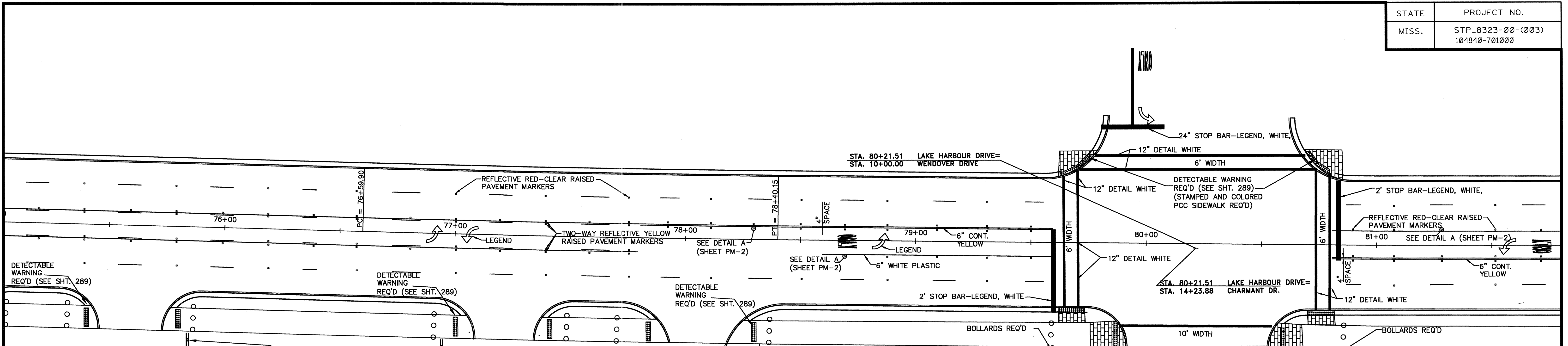
TRAFFIC SIGNS REQ'D

DESCRIPTION	QUANTITY
R1-1 (36"x36")	18
R1-1 (18"x18")	0
R1-2 (24")	10
R2-1 (30"x36")	7.5
R3-9b (24"x36")	
R5-3 (24"x24")	
R9-6 (12"x18")	7.5
W11-1 (30"x30")	0

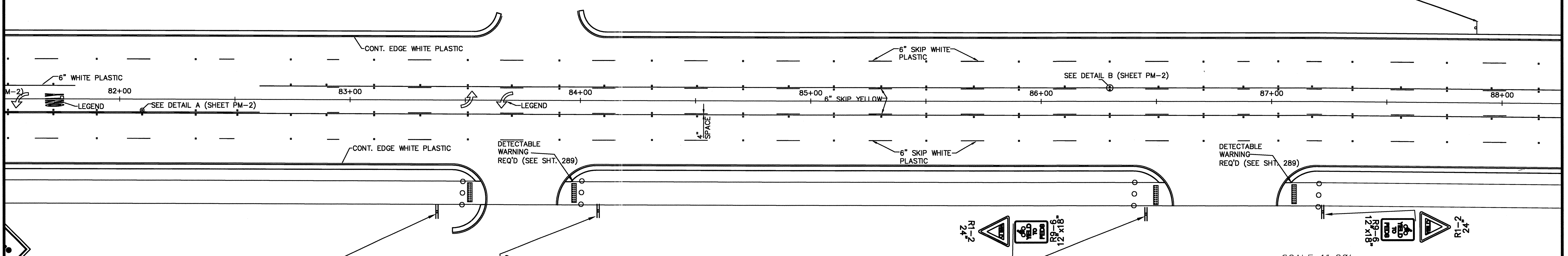


SCALE 1"=20'

<h2>PAVEMENT MARKING AND SIGNING DETAILS</h2> <p>STA. 62+00 TO STA. 75+00</p>	
PROJECT NO. STP 8323-00-(003) 104840-701000 COUNTY: MADISON	WORKING NUMBER PMD-5
FILENAME: _____ DESIGN TEAM _____ CHECKED _____ DATE _____	SHEET NUMBER 65



PAVEMENT MARKING		
DESCRIPTION	TYPE	QUANTITY
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP WHITE	PLASTIC	2400
6" THERMOPLASTIC EDGE STRIPE, CONT. WHITE	PLASTIC	2560
6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	PLASTIC	
6" THERMOPLASTIC TRAFFIC STRIPE, CONT. YELLOW	PLASTIC	2460
6" THERMOPLASTIC STRIPE, CONT. WHITE	PLASTIC	
THERMOPLASTIC DETAIL STRIPE, WHITE	PLASTIC	1003
THERMOPLASTIC DETAIL STRIPE, YELLOW	PLASTIC	
THERMOPLASTIC LEGEND, WHITE (LF)		472
THERMOPLASTIC LEGEND, WHITE (SF)		220
RED-CLEAR RAISED PAVEMENT MARKERS		70
2-WAY YELLOW REFLECTIVE RAISED PAVEMENT MARKERS		134



TRAFFIC SIGNS REQ'D	
DESCRIPTION	QUANTITY
R1-1 (36" x36")	
R1-1 (18" x18")	
R1-2 (24")	14
R2-1 (30" x36")	7.5
R3-9b (24" x36")	
R5-3 (24" x24")	13.5
R9-6 (12" x18")	12.5
W11-1 (30" x30")	

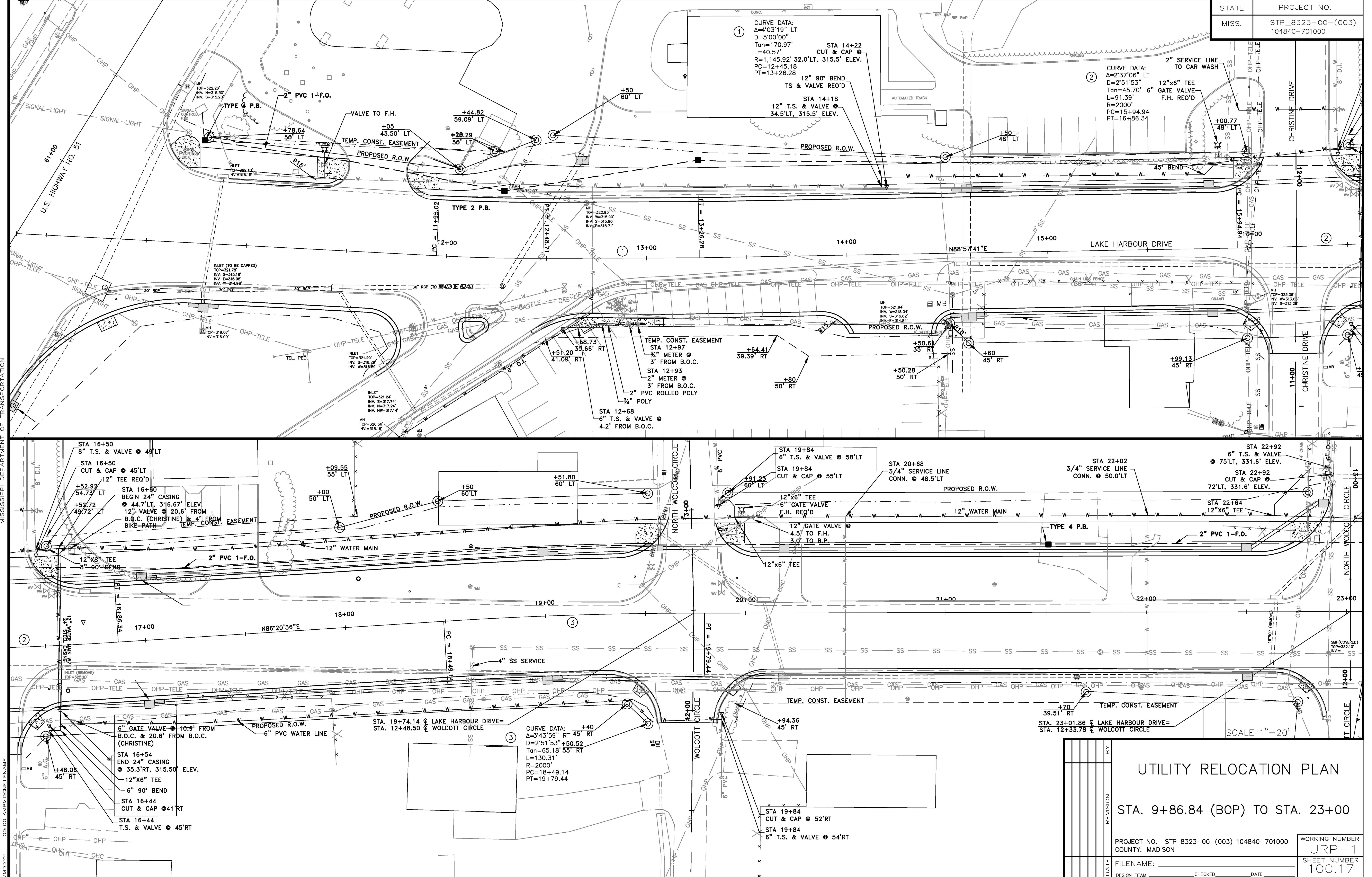
SCALE 1"=20'

PAVEMENT MARKING AND SIGNING DETAILS

STA. 75+00 TO STA. 88+00

PROJECT NO.	STP 8323-00-(003) 104840-701000	WORKING NUMBER	PMD-6
COUNTY:	MADISON	SHEET NUMBER	66
FILENAME:		DESIGN TEAM	
DATE		CHECKED	
		DATE	

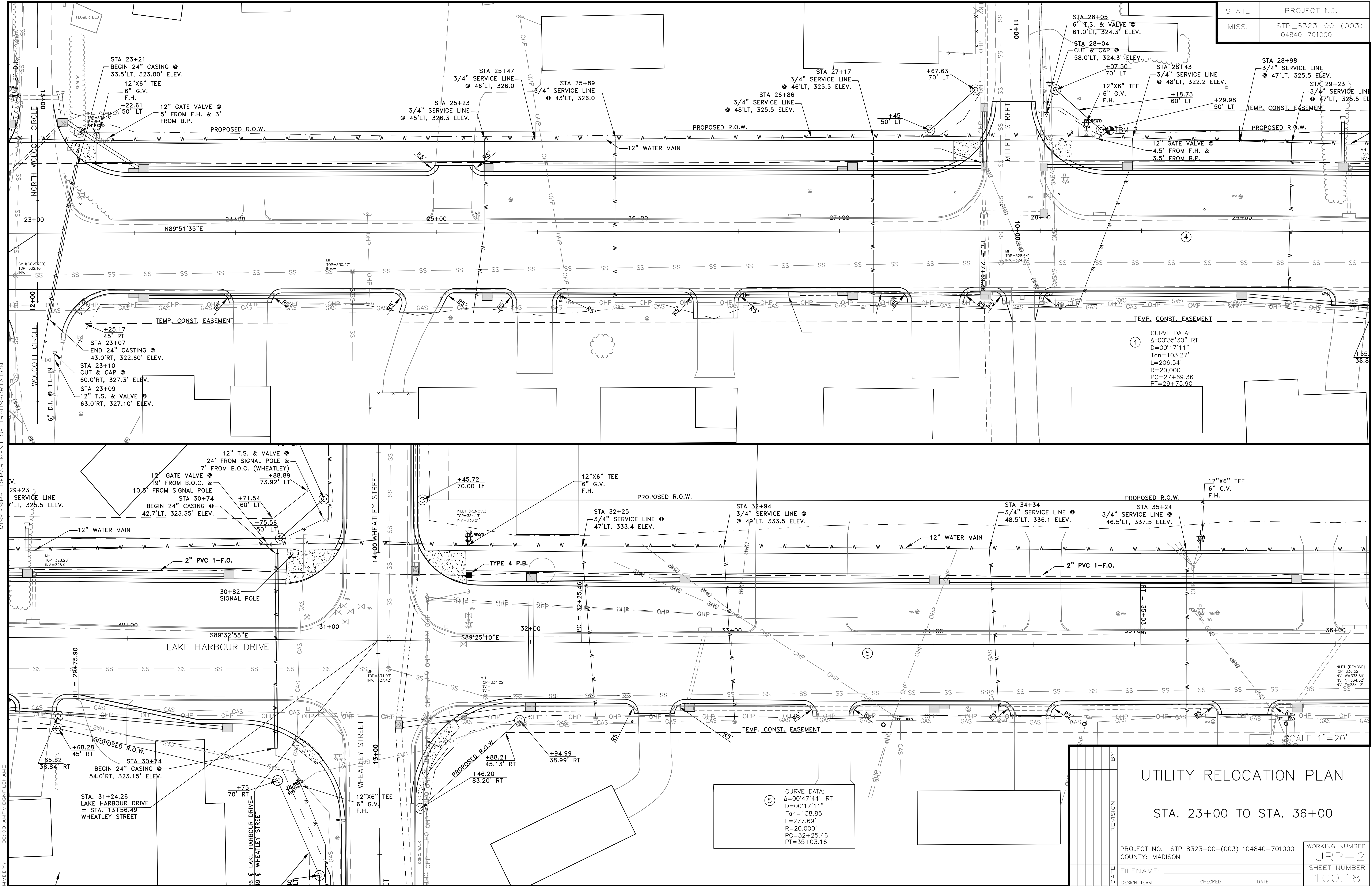
PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 02/08 ANPM DGNFILENAME
 MDDYY



<h3>UTILITY RELOCATION PLAN</h3> <p>STA. 9+86.84 (BOP) TO STA. 23+00</p>	
PROJECT NO. STP 8323-00-(003) 104840-701000 COUNTY: MADISON	WORKING NUMBER URP-1 SHEET NUMBER 100.17
FILENAME: _____ DESIGN TEAM _____ CHECKED _____ DATE _____	

PLAN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 MADDY

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



4
 CURVE DATA:
 $\Delta=00^{\circ}35'30''$ RT
 $D=00^{\circ}17'11''$
 $\text{Tan}=103.27'$
 $L=206.54'$
 $R=20,000'$
 $PC=27+69.36$
 $PT=29+75.90$

5
 CURVE DATA:
 $\Delta=00^{\circ}47'44''$ RT
 $D=00^{\circ}17'11''$
 $\text{Tan}=138.85'$
 $L=277.69'$
 $R=20,000'$
 $PC=32+25.46$
 $PT=35+03.16$

SCALE 1"=20'

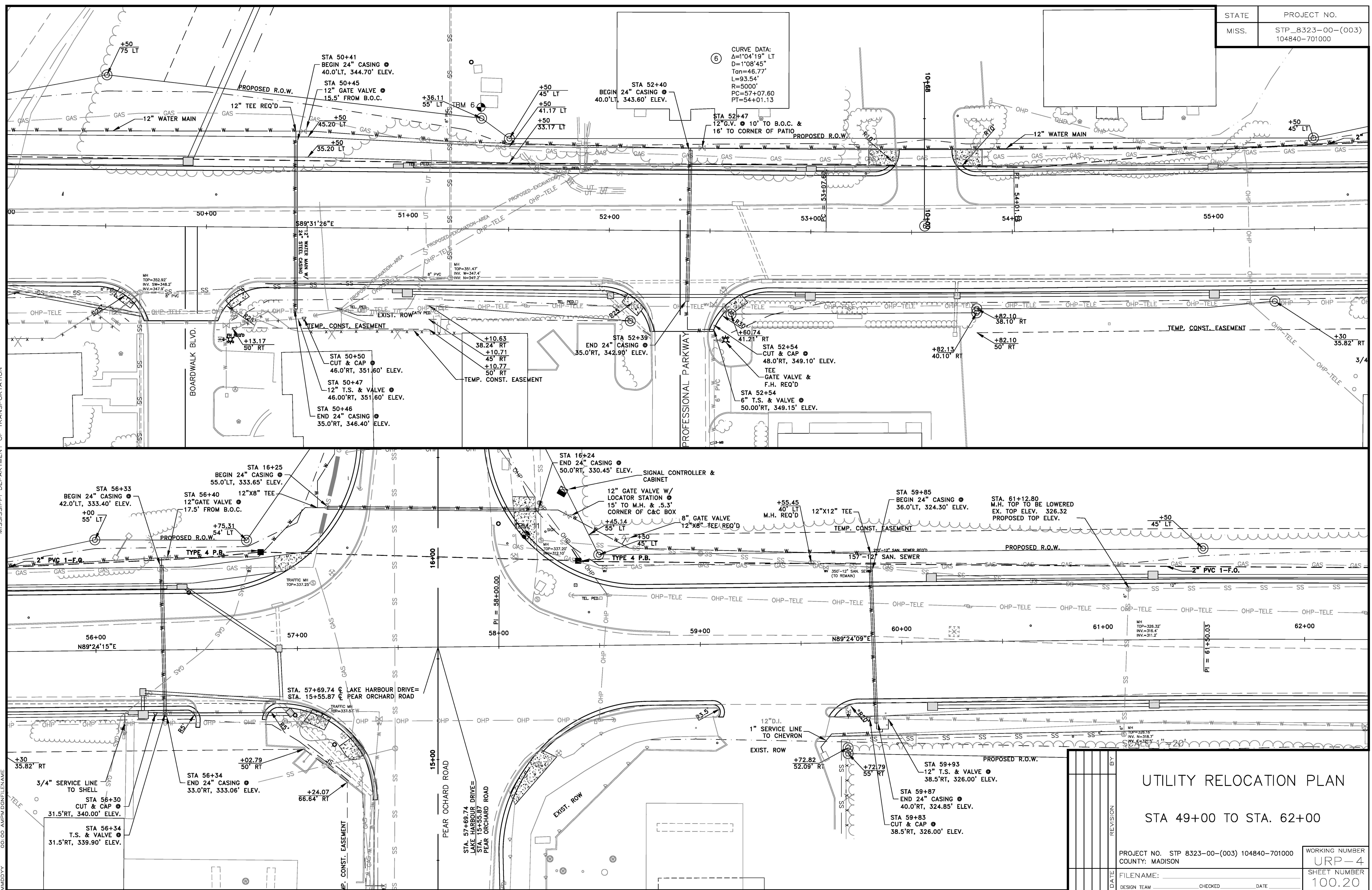
UTILITY RELOCATION PLAN

STA. 23+00 TO STA. 36+00

PROJECT NO.	STP 8323-00-(003) 104840-701000	WORKING NUMBER	URP-2
COUNTY:	MADISON	SHEET NUMBER	100.18
FILENAME:		DESIGN TEAM	CHECKED
DATE			DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 PLAN
 000.00 AMP/DIR/FILENAME
 000000

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



<p>UTILITY RELOCATION PLAN</p> <p>STA 49+00 TO STA. 62+00</p>		<p>WORKING NUMBER</p> <p>URP-4</p>
<p>PROJECT NO. STP 8323-00-(003) 104840-701000</p> <p>COUNTY: MADISON</p>		<p>SHEET NUMBER</p> <p>100.20</p>
<p>DATE</p> <p>DESIGN TEAM</p>	<p>REVISION</p> <p>CHECKED</p> <p>DATE</p>	<p>FILENAME:</p>

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 PLAN
 MIDDY CG:00 AMPM:08/FILENAME

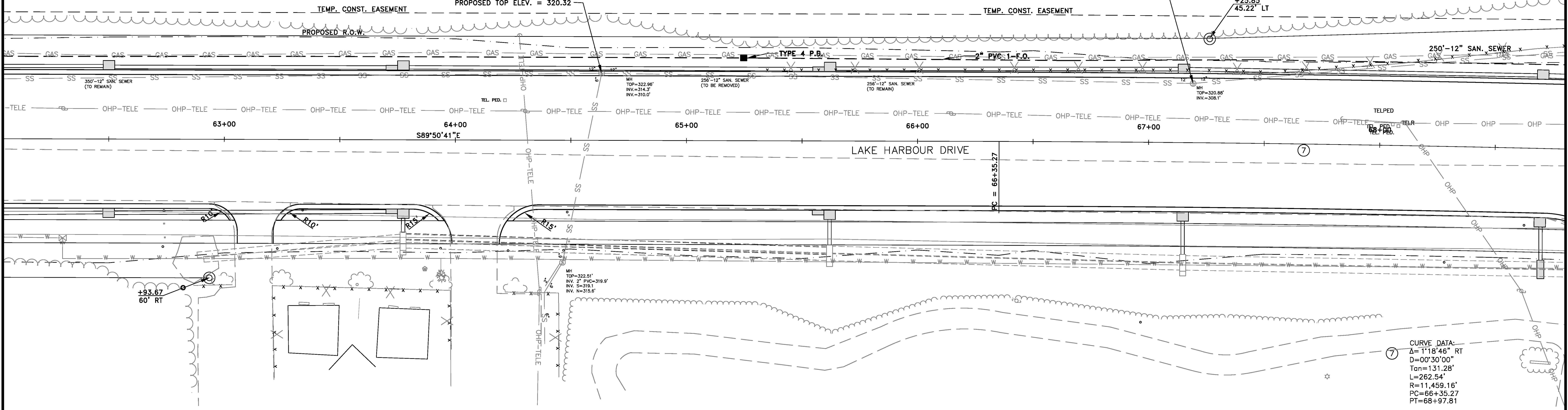
STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

TBM 6

STA. 67+19.05
M.H. TOP TO BE LOWERED
EX. TOP ELEV. = 322.96
PROPOSED TOP ELEV. = 320.32

STA. 67+19.05
M.H. TOP TO BE LOWERED
EX. TOP ELEV. = 320.88
PROPOSED TOP ELEV. = 317.15

+25.85
45.22' LT



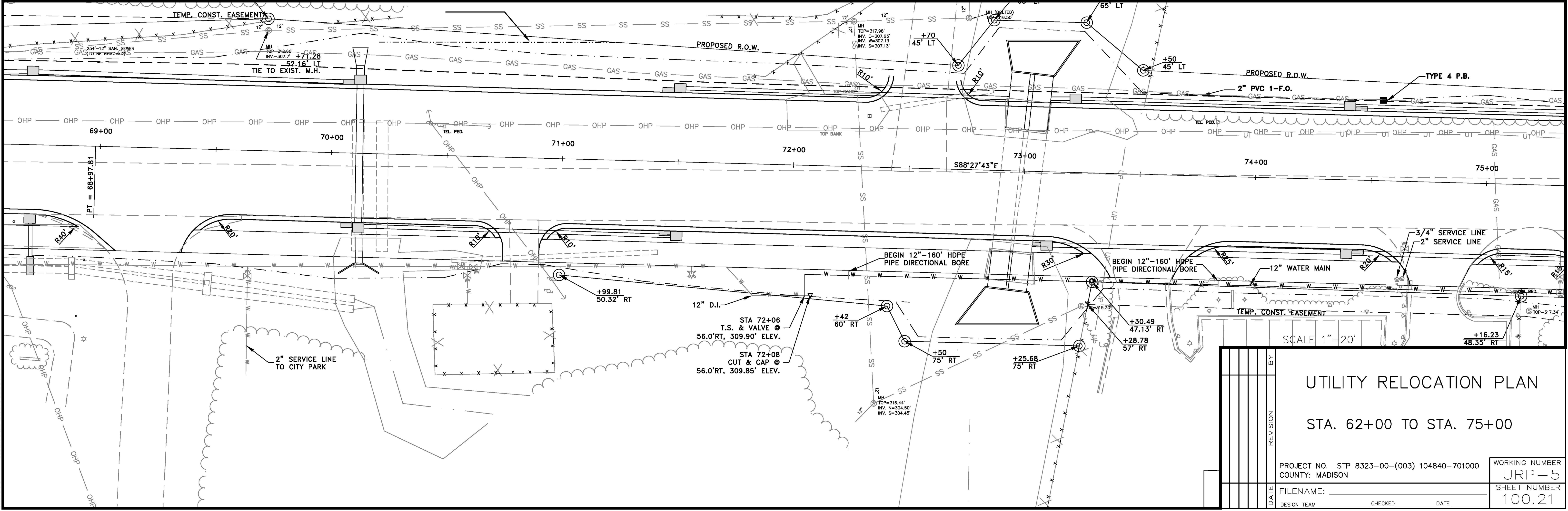
CURVE DATA:
Δ=1°18'46" RT
D=00°30'00"
Tan=131.28'
L=262.54'
R=11,459.16'
PC=66+35.27
PT=68+97.81

TIE TO EXIST. M.H.

+52.16
52.16' LT

+70
45' LT

+50
45' LT



STA 72+06
T.S. & VALVE
56.0' RT, 309.90' ELEV.

STA 72+08
CUT & CAP
56.0' RT, 309.85' ELEV.

+30.49
47.13' RT

+25.68
75' RT

+16.23
48.35' RT

SCALE 1"=20'

UTILITY RELOCATION PLAN

STA. 62+00 TO STA. 75+00

PROJECT NO. STP 8323-00-(003) 104840-701000
COUNTY: MADISON

WORKING NUMBER
URP-5
SHEET NUMBER
100.21

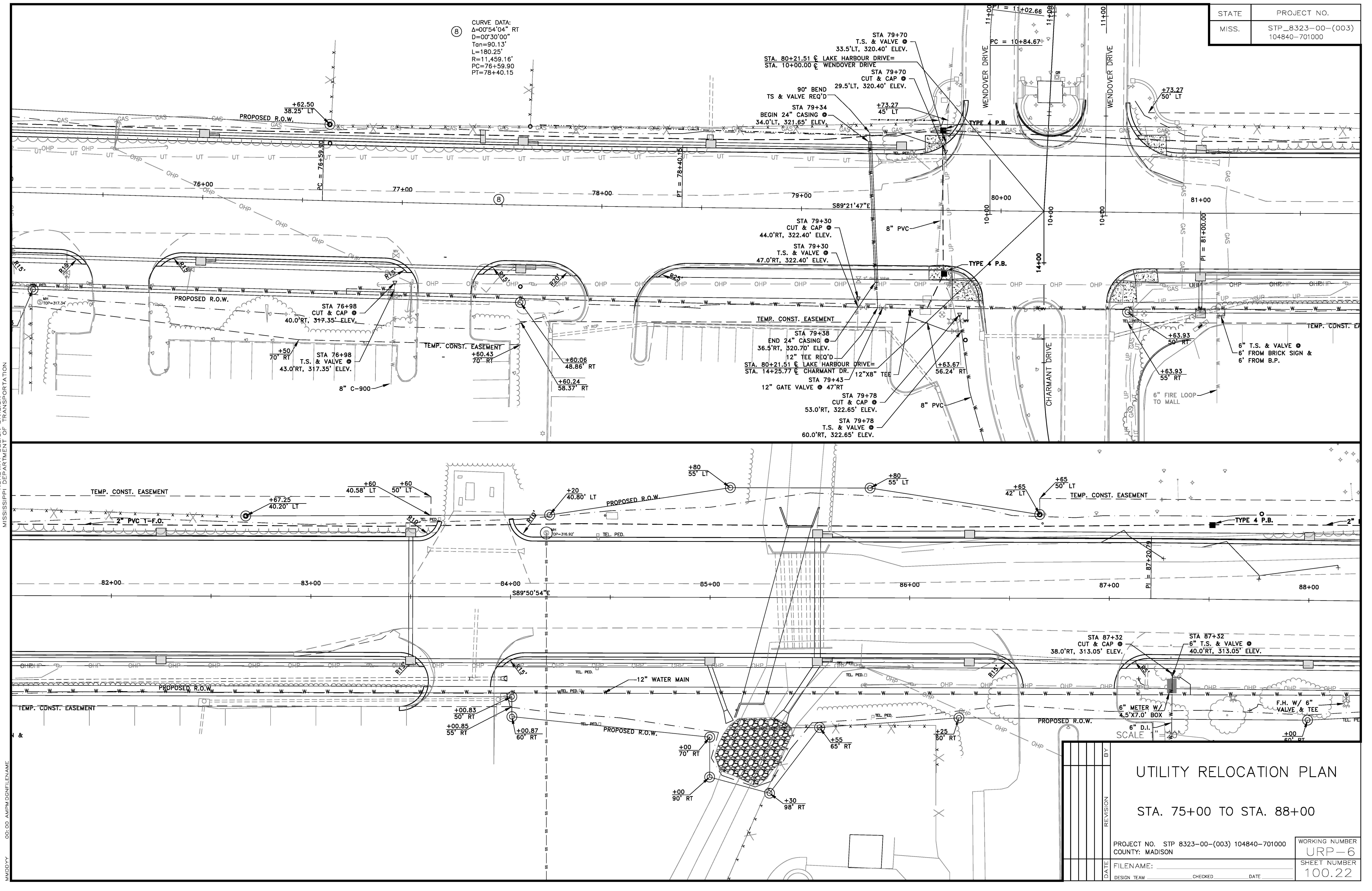
FILENAME:
DESIGN TEAM: _____ CHECKED: _____ DATE: _____

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MDDYY 00:00:AM\PM\00\FILENAME

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

⑧ CURVE DATA:
 Δ=0°54'04" RT
 D=0°30'00"
 Tan=90.13'
 L=180.25'
 R=11,459.16'
 PC=76+59.90
 PT=78+40.15



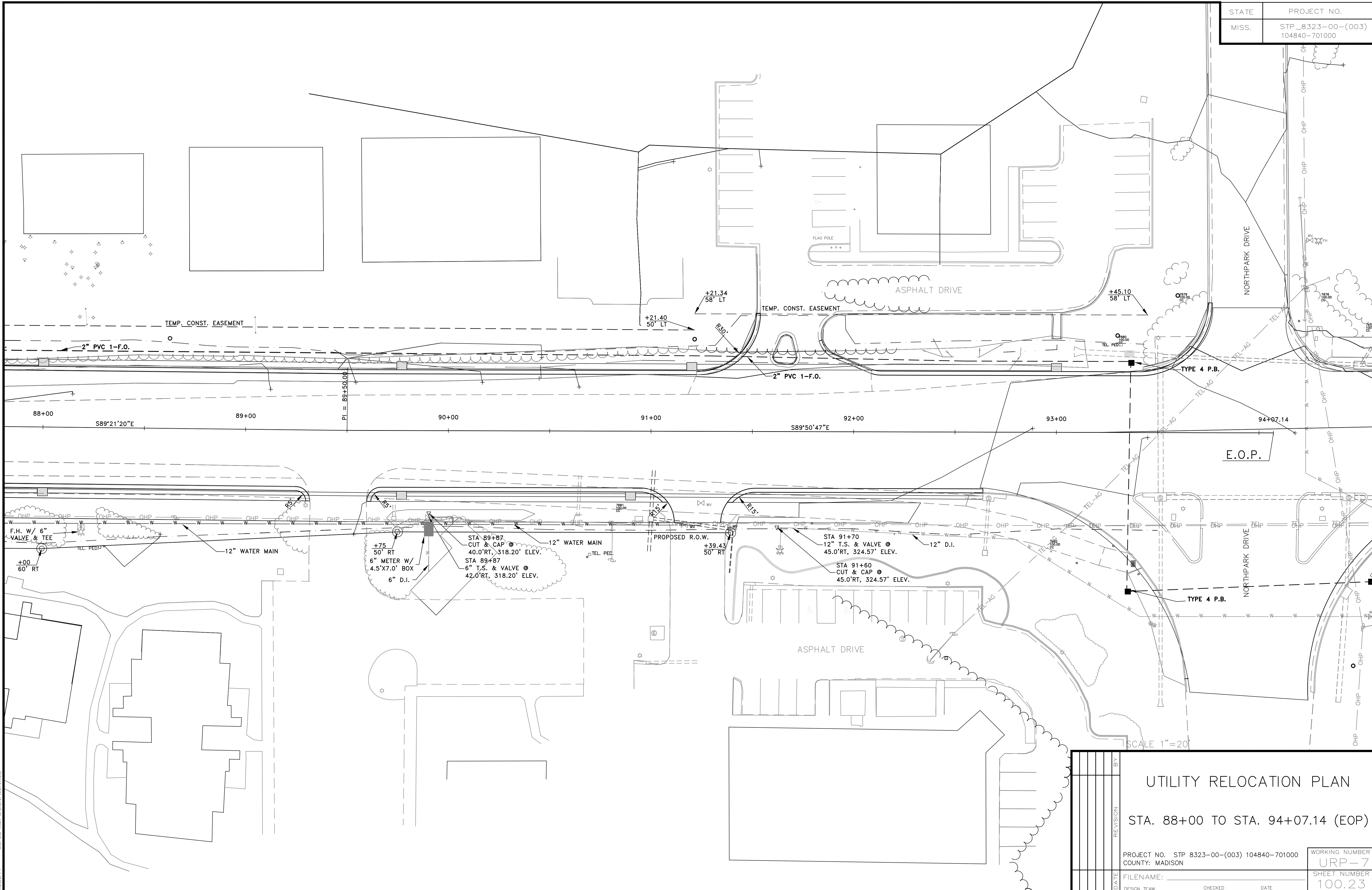
PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 00:00: AMPM DGN FILE NAME
 MWD00Y

UTILITY RELOCATION PLAN STA. 75+00 TO STA. 88+00		PROJECT NO. STP 8323-00-(003) 104840-701000	WORKING NUMBER
		COUNTY: MADISON	URP-6
DATE	FILENAME:	DESIGN TEAM	SHEET NUMBER
BY	REVISION	CHECKED	DATE

SCALE: 6" D.I. = 20'

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

PLAN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 MDDDDY 00:00 AMPM DCHFILENAME

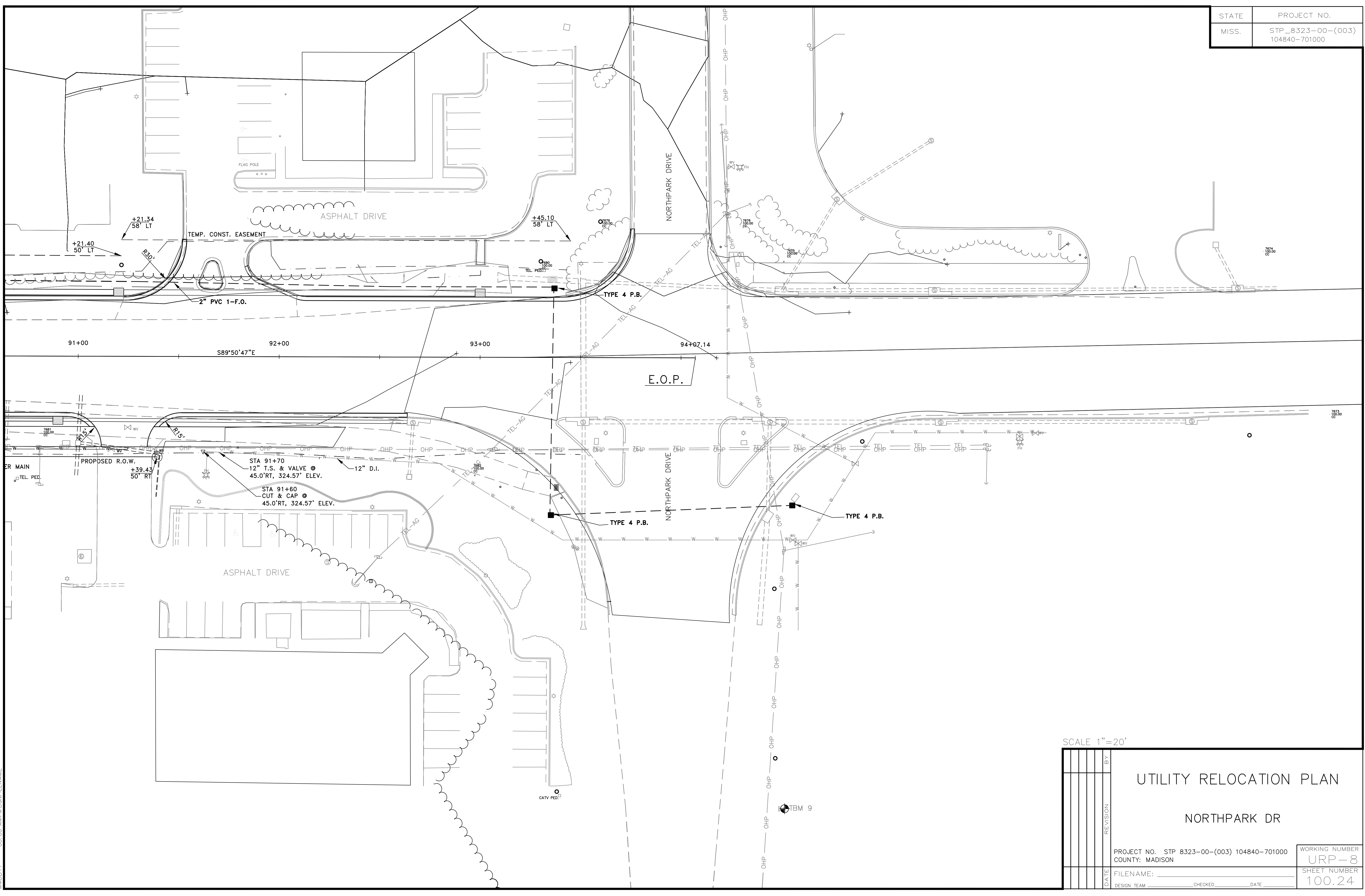


SCALE 1"=20'

UTILITY RELOCATION PLAN STA. 88+00 TO STA. 94+07.14 (EOP)		PROJECT NO.	STP 8323-00-(003) 104840-701000	WORKING NUMBER	URP-7
		COUNTY:	MADISON	SHEET NUMBER	100.23
DATE	DESIGN TEAM	CHECKED	DATE		

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000

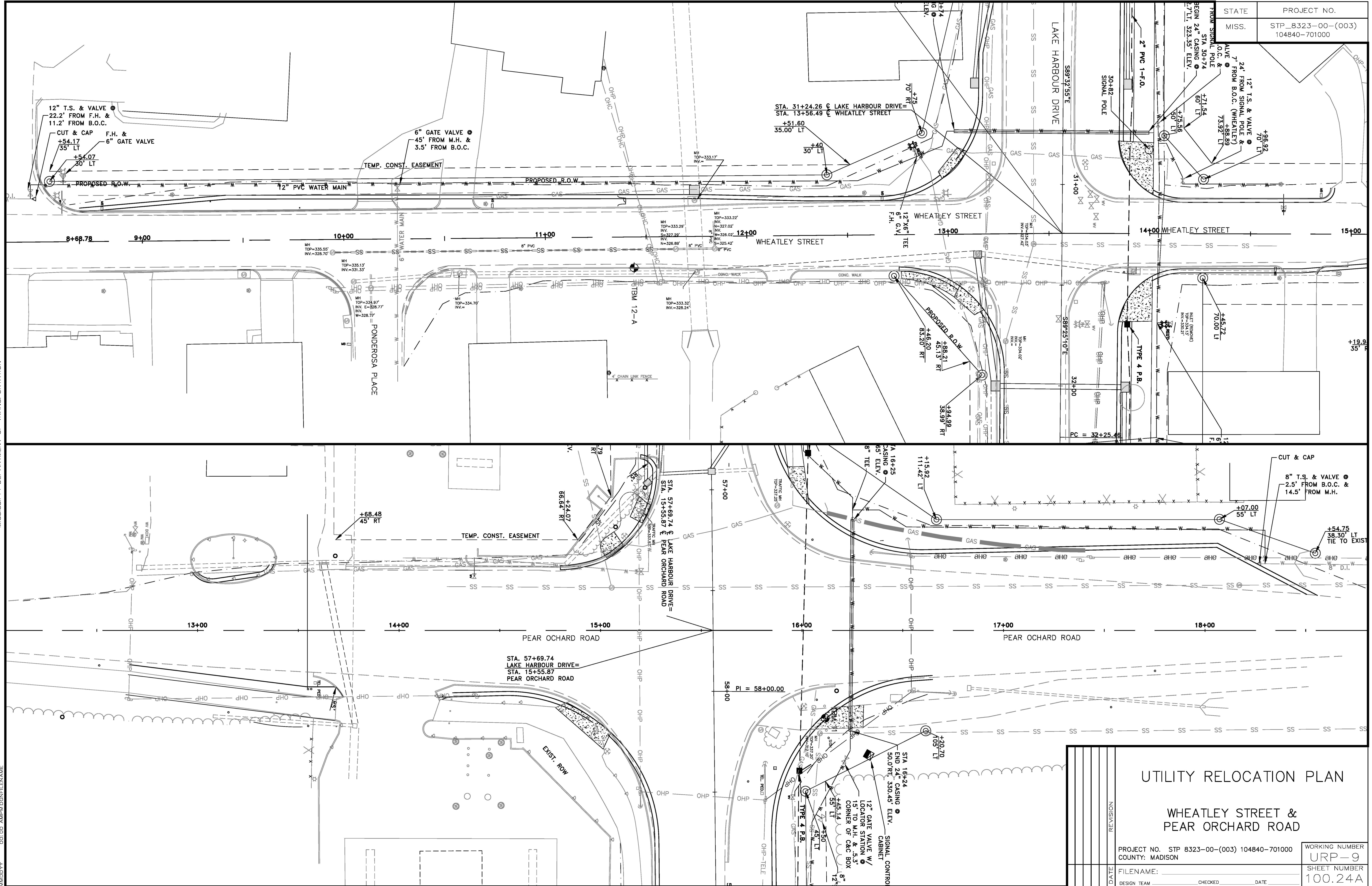
PLAN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 00:00 AMPM.DGNFILENAME
 MMDDYY



SCALE 1" = 20'

URP-8		WORKING NUMBER	
100.24		SHEET NUMBER	
UTILITY RELOCATION PLAN NORTHPARK DR			
PROJECT NO. STP 8323-00-(003) 104840-701000		COUNTY: MADISON	
DATE	DESIGN TEAM	CHECKED	DATE

STATE	PROJECT NO.
MISS.	STP_8323-00-(003) 104840-701000



<p>UTILITY RELOCATION PLAN</p> <p>WHEATLEY STREET & PEAR ORCHARD ROAD</p>		PROJECT NO. STP 8323-00-(003) 104840-701000	WORKING NUMBER
		COUNTY: MADISON	URP-9
DATE	REVISION	FILENAME:	SHEET NUMBER
DESIGN TEAM	CHECKED	DATE	100.24A

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 PLAN
 MDDYY 00.CC AMP/PLG/FILENAME